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EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

LETTER

FROM

THE SECRETARY OF AGRICULTURE,

TRANSMITTING

*A detailed statement of the expenditures of the Department of Agriculture  
for the fiscal year ending June 30, 1894.*

DECEMBER 3, 1894.—Referred to the Committee on Expenditures in the Department  
of Agriculture and ordered to be printed.

U. S. DEPARTMENT OF AGRICULTURE,  
OFFICE OF THE SECRETARY,  
Washington, D. C., November 5, 1894.

SIR: In conformity to law, I have the honor to present herewith to  
Congress a detailed statement of the expenditures of all appropriations  
for the Department of Agriculture for the fiscal year ended June 30,  
1894.

Very respectfully,

J. STERLING MORTON,  
Secretary.

The SPEAKER OF THE HOUSE OF REPRESENTATIVES.

*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1894.*

## SALARIES.

Name.	Total.	Name.	Total.
J. Sterling Morton	\$8,000.00	W. H. Prestele	\$1,200.00
F. V. Coville	2,500.00	Thomas J. Ray	1,200.00
Geo. Wm. Hill	2,500.00	B. E. Shepherd	1,200.00
C. H. Merriam	2,500.00	Flora Schmidt	1,200.00
D. MacCuaig	2,500.00	W. R. Scholl	1,200.00
H. A. Robinson	2,500.00	M. S. Tidd	1,200.00
Wm. Saunders	2,500.00	V. K. Wharton	1,200.00
Thos. Taylor	2,500.00	J. C. Wight	1,200.00
H. W. Wiley	2,500.00	Otto Heidemann	1,172.20
F. L. Evans	2,477.18	L. H. Dewey	1,164.20
C. V. Riley	2,274.00	S. R. Burch	1,150.00
Chas. W. Dabney, jr	2,250.00	F. N. Gregory	1,143.46
Edwin Willits	2,250.00	Alice Miller	1,094.83
J. S. Charleson	2,000.00	J. A. Clark	1,050.00
M. E. Fagan	2,000.00	W. B. Dobbs	1,023.89
B. E. Fernow	2,000.00	A. C. Baldwin	1,000.00
B. T. Galloway	2,000.00	R. B. Blankman	1,000.00
George Marx	2,000.00	Janie A. Bell	1,000.00
E. L. Phillips	2,000.00	C. B. Clark	1,000.00
L. O. Howard	1,857.70	E. L. Clark	1,000.00
J. B. Bennett	1,800.00	R. S. Clifton	1,000.00
James C. Hooe	1,800.00	F. C. Cooney	1,000.00
G. L. Spencer	1,800.00	N. E. Fealy	1,000.00
L. S. Williams	1,800.00	Lawrence Gallagher	1,000.00
E. D. Yerby	1,741.33	James Halley	1,000.00
C. D. Campbell	1,600.00	W. N. Irwin	1,000.00
Allen Dodge	1,600.00	S. E. Jenkins	1,000.00
John W. Hall	1,600.00	L. C. C. Krieger	1,000.00
J. A. Harvey	1,600.00	Margaret MacCuaig	1,000.00
K. P. McElroy	1,600.00	W. A. Maxwell	1,000.00
E. V. O'Brien	1,600.00	Ada B. Morrison	1,000.00
Theo. Pergande	1,600.00	I. J. Nichols	1,000.00
J. N. Rose	1,600.00	F. O. Smalley	1,000.00
Geo. R. Simmons	1,600.00	M. E. Skinner	1,000.00
Wm. A. Taylor	1,600.00	Thora Steineger	1,000.00
Will H. Bane	1,556.50	M. C. Stoddart	1,000.00
T. S. Palmer	1,538.43	Maggie Taylor	1,000.00
Wm. P. Cutter	1,516.37	H. S. Walter	1,000.00
S. A. Benter	1,500.00	John Nordhouse	998.91
A. K. Fisher	1,500.00	A. E. Bray	997.20
V. Hallenbeck	1,468.10	C. L. Shaver	990.41
Louise Breedin	1,400.00	E. L. Hart	974.15
F. H. Chittenden	1,400.00	V. M. Peticolas	974.11
Carrie L. DuBois	1,400.00	Eugenia Cuthbert	972.75
John Dugan	1,400.00	C. K. Bragdon	900.00
Geo. R. Ferguson	1,400.00	F. L. J. Boettcher	900.00
W. S. D. Haines	1,400.00	Thomas Riggles	900.00
D. M. Hall	1,400.00	John J. Atwell	880.00
E. G. Latham	1,400.00	M. A. Goodchild	840.00
Evie Lyons	1,400.00	M. C. Montgomery	840.00
Anna Montgomery	1,400.00	H. R. Smedes	840.00
Frank Muller	1,400.00	Ida Skinner	840.00
M. F. Safford	1,400.00	Joseph Williams	840.00
C. P. Streater	1,400.00	W. C. Pennywitt	837.03
Geo. B. Sudworth	1,400.00	L. T. Harrison	835.48
Lillie Sullivan	1,400.00	Oma Carr	831.55
J. M. Watt	1,400.00	Amelia Lewis	829.73
A. Zappone	1,395.62	M. T. Chapman	790.76
R. E. Smith	1,320.00	Kate Sanders	753.30
John D. Jones	1,294.20	H. L. Vining	750.01
Edmund Burke	1,253.53	M. H. Burr	749.68
Alice Henkel	1,251.10	R. E. Wait	728.87
S. B. Heiges	1,250.00	James E. Jones	724.94
M. A. Robbins	1,250.00	E. A. Barbaux	720.00
M. McCutchen	1,241.61	L. E. Bowen	720.00
F. E. L. Beal	1,200.00	A. H. Brooks	720.00
M. G. Champney	1,200.00	Thad. Fairfax	720.00
F. C. Cox	1,200.00	J. E. M. Gantt	720.00
Talma Drew	1,200.00	W. H. Moor	720.00
Ella Edwards	1,200.00	W. H. Ward	720.00
C. B. Finckel	1,200.00	J. T. Wathington	720.00
L. F. Harrington	1,200.00	Juliet King	710.60
Carrie Harrison	1,200.00	Gertrude Riggles	699.20
S. M. Huddleson	1,200.00	Albert F. Woods	648.22
M. M. Ingram	1,200.00	T. C. Trescot	640.43
J. F. James	1,200.00	N. B. Clarvoe	600.00
Wm. H. Krug	1,200.00	Martin Johnson	600.00
M. A. Mack	1,200.00	W. H. Johnson	600.00
M. H. Mahon	1,200.00	Annie Parker	600.00
D. Olzewski	1,200.00	Susan Ruppert	600.00
D. G. Passmore	1,200.00	John F. Tomlinson	600.00

## EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

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*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## SALARIES—Continued.

Name.	Total.	Name.	Total.
A. A. Wyche	\$600.00	F. K. Van Auken	\$204.37
M. B. Zimmerman	600.00	Mary E. Williams	201.70
Sara Skinner	598.80	E. G. Runyan	198.90
John J. Wharton	573.96	R. B. Grubbs	198.49
Virginia Miller	572.73	S. W. Halsey	195.79
Wm. Arthur Barr	561.02	Robert E. Nelson	192.00
W. D. Bigelow	548.90	W. R. Bruce	184.65
M. S. Bowie	541.67	Mary McAdams	182.61
Otto J. J. Luebker	525.80	Jennie McCreary	168.40
D. G. Fairchild	524.97	H. S. Tullis	159.26
Thomas Rutledge	508.00	C. L. Marlatt	148.30
Clara O'Donoghue	496.70	T. W. Matthews	142.00
George I. Hall	484.91	Anna M. Housman	141.60
Emily Werner	480.00	Joseph A. Arnold	131.90
James M. Coombs	478.00	C. J. Weinheimer	130.67
H. B. Cannon	465.22	Jesse E. Tucker	125.00
F. J. Cleary	465.10	R. H. Ezdorf	116.02
Geo. W. Connolly	460.00	M. B. Paine	115.50
A. E. Barbour	456.53	A. F. English	105.04
C. J. Ashton	446.63	I. S. Pennybacher, jr	85.76
G. L. Lilly	434.54	Thomas T. Murphy	84.00
Hiram Johnson	431.13	B. F. Fuller	81.52
E. W. Brown	422.00	Edward Wagener	67.17
Irene Johnson	415.15	W. L. Gee	50.50
E. H. Stevens	413.09	Thomas G. Ecton	50.00
M. Gerard	400.00	John R. Thomas	47.25
A. G. Masius	400.00	Charles O'Grady	42.39
E. W. Whitehead	360.00	Harry Crompton	39.00
W. W. Jones	349.20	John D. Sells	39.00
S. F. Seaton	348.91	C. J. Sullivan	39.00
S. F. Thomas	348.91	James H. Thompson	34.50
L. W. Stone	337.00	J. P. Shannon	24.73
C. E. Bracey	306.67	H. Jacobson	16.80
Maria Mead	300.00	T. D. Sharp	8.40
Lizzie Rollins	300.00	Charles Burnett	1.50
Helen Gardner	292.87	James Canavin	1.50
W. L. Titus	288.30	George Curtis	1.50
Thomas J. Lamb	275.23	Sam Dixon	1.50
William N. Talbot	272.61	Lewis Douglass	1.50
C. H. Pilcher	242.00	Wm. Douglas	1.50
E. P. Stout	240.00	W. H. Douglas	1.50
J. M. Holzinger	235.80	Fred. Minor	1.50
E. A. Preble	232.80	Henry Palmer	1.50
Alex. King	232.21	Arthur Robinson	1.50
M. L. Ward	226.59		
Lemuel Todd	225.00	Total	233,679.75
O. P. Angelo	212.00		

## COLLECTING AGRICULTURAL STATISTICS.

Date.	Name.	Nature of payment.	Total.
1893.			
July 15	M. S. Colman	Salary, July 1 to 15	\$57.07
19	Washington City post-office	Postage stamps	3,000.00
25	The Railway Age and North-western Railroader.	Subscription, June 30, 1893, to June 30, 1894	4.00
31	C. A. Hanna	Salary for July	39.00
31	E. T. Peters et al	Salaries for July	3,519.60
Aug. 16	C. A. Hanna	Salary, Aug. 1 to 15	19.50
17	Washington City post-office	Postage stamps	1,400.00
22	Chas. F. Curtis	Salary, July 1 to Aug. 14	97.83
26	John C. Parker	Cardboard and envelopes	106.00
31	E. T. Peters et al	Salaries for August	3,328.93
Sept. 16	F. A. Bickford	Salary, Sept. 1 to 15	29.67
26	H. A. Howes	Salary, Sept. 1 to 26	50.87
30	Frank V. Dilatush	Salary, statistical agent, July 1 to Sept. 30	300.00
30	Martin E. Argo	do	300.00
30	Edwin F. Smith	do	300.00
30	Geo. T. Powell	Salary, statistical agent, July 1 to Sept. 15	251.11
30	Robt. W. Furnas	Salary, statistical agent, July 1 to Sept. 30	250.00
30	Elias S. Garver	do	250.00
30	J. C. Featherston	do	225.00
30	N. S. Dougherty	do	225.00
30	R. J. Redding	do	225.00
30	W. P. Hancock	do	225.00
30	S. S. Neely	do	200.00



*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## COLLECTING AGRICULTURAL STATISTICS—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Sept. 30	John H. Hammond.....	Salary, statistical agent, July 1 to Sept. 30.	\$200.00
30	L. M. Fay.....	do.....	200.00
30	Milo E. Marsh.....	do.....	200.00
30	Nicholas McDowell.....	do.....	180.00
30	Frank H. Drown.....	do.....	180.00
30	E. W. Longshore.....	do.....	180.00
30	Jno. C. Tipton.....	do.....	180.00
30	R. D. Baugh.....	do.....	150.00
30	A. A. Olmsted.....	do.....	150.00
30	James H. Lane.....	do.....	150.00
30	W. M. Scott.....	do.....	150.00
30	A. S. Mercer.....	do.....	150.00
30	John R. Reavis.....	do.....	150.00
30	T. S. Gold.....	do.....	150.00
30	I. Washington Watts.....	do.....	150.00
30	James A. Hayden.....	do.....	150.00
30	Franklin Dye.....	do.....	150.00
30	Jno. J. Cornwell.....	do.....	150.00
30	James M. Adams.....	do.....	150.00
30	John H. Stevens.....	do.....	150.00
30	Dandridge McRae.....	do.....	150.00
30	Harrison R. Kincaid.....	do.....	150.00
30	Frank E. Carstarphen.....	do.....	150.00
30	Burroughs Abbott.....	do.....	150.00
30	William Nelson.....	do.....	150.00
30	A. H. Manville.....	do.....	150.00
30	Robt. H. Howey.....	do.....	150.00
30	Geo. L. Fryer.....	do.....	150.00
30	D. R. Michener.....	Salary, statistical agent, Aug. 15 to Sept. 30.	102.16
30	Arthur S. Fitz.....	Salary, statistical agent, July 1 to Sept. 30.	100.00
30	Nathan Pratt.....	do.....	100.00
30	L. P. Stephens.....	Salary, statistical agent, Sept. 1 to Sept. 30.	97.80
30	E. T. Peters et al.....	Salaries for September.....	3,171.15
	Total statistics.....		22,444.69
	Total foreign markets.....		1,395.16
	Total first quarter.....		23,839.85
Oct. 5	Aaron C. Hedden.....	Salary, Sept. 16 to 30.....	48.91
6	John C. Parker.....	Stationery.....	388.50
6	Daniel L. Flickinger.....	Salary for July and August.....	202.20
7	Chesapeake and Potomac Telephone Co.....	Telephone rent, July 1 to Sept. 30.....	15.00
13	John C. Parker.....	Envelopes.....	240.00
13	Adams Express Co.....	Transportation, August.....	1.90
14	Eva H. Quinn.....	Salary, Oct. 1 to 13, inclusive.....	56.52
16	A. O. Nash.....	Salary, Oct. 1 to 15, inclusive.....	48.91
31	E. T. Peters et al.....	Salaries for October.....	3,063.77
Nov. 13	Franklin Dye.....	Salary, Oct. 1 to Nov. 1, inclusive.....	52.13
13	Willett and Gray.....	Subscription to Weekly Statistical Sugar Trade Journal to July 7, 1894.....	15.00
17	Almont Barnes.....	Salary, Nov. 1, to 15.....	73.37
22	Frank H. Hitchcock.....	Salary, Oct. 1 to 15.....	57.07
24	James M. Adams.....	Salary, Oct. 1 to Nov. 15.....	74.96
24	E. T. Peters.....	Expenses at Chicago, October.....	25.70
30	E. T. Peters et al.....	Salaries for November.....	2,663.90
Dec. 6	John C. Parker.....	Manila envelopes, etc.....	298.60
8	T. S. Gold.....	Salary, Oct. 1 to Nov. 30.....	99.50
9	Washington City post-office.....	Postage stamps.....	3,000.00
14	S. F. Thomas.....	Salary, Dec. 1 to 13.....	42.39
19	U. S. Express Co.....	Transportation, November.....	1.00
30	Edwin F. Smith.....	Salary, Oct. 1 to Dec. 31, 1893.....	300.00
30	Frank V. Dilatush.....	do.....	300.00
30	Martin E. Argo.....	do.....	300.00
30	Aaron C. Hedden.....	do.....	300.00
30	L. P. Stephens.....	do.....	300.00
30	Elias S. Garver.....	do.....	250.00
30	Robert W. Furnas.....	do.....	250.00
30	R. J. Redding.....	do.....	225.00
30	N. S. Dougherty.....	do.....	225.00
30	W. P. Hancock.....	do.....	225.00
30	J. C. Featherston.....	do.....	225.00
30	D. R. Michener.....	do.....	200.00
30	John H. Hammond.....	do.....	200.00
30	Milo E. Marsh.....	do.....	200.00
30	S. S. Neeley.....	do.....	200.00
30	L. M. Fay.....	do.....	200.00
30	Harry O. Garvey.....	do.....	180.00
30	Nicholas McDowell.....	do.....	180.00

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## COLLECTING AGRICULTURAL STATISTICS—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Dec. 30	Frank H. Drown .....	Salary, Oct. 1 to Dec. 31, 1893 .....	\$180.00
30	Jno. C. Tipton .....	do .....	180.00
30	James H. Lane .....	do .....	150.00
30	Dandridge McRae .....	do .....	150.00
30	Frank E. Carstarphen .....	do .....	150.00
30	A. H. Manville .....	do .....	150.00
30	James A. Hayden .....	do .....	150.00
30	John H. Stevens .....	do .....	150.00
30	R. D. Baugh .....	do .....	150.00
30	Robt. H. Howey .....	do .....	150.00
30	W. M. Scott .....	do .....	150.00
30	Harrison R. Kincaid .....	do .....	150.00
30	I. Washington Watts .....	do .....	150.00
30	Burroughs Abbott .....	do .....	150.00
30	Geo. L. Fryer .....	do .....	150.00
30	William Nelson .....	do .....	150.00
30	A. A. Olmsted .....	do .....	150.00
30	John R. Reavis .....	do .....	150.00
30	Jno. J. Cornwell .....	do .....	150.00
30	A. S. Mercer .....	do .....	150.00
30	Nathan Pratt .....	do .....	100.00
30	Arthur S. Fitz .....	do .....	100.00
30	Frank A. Foy .....	Salary, Nov. 2 to Dec. 31, 1893 .....	97.78
30	Frank K. Hobbs .....	Salary, Nov. 16 to Dec. 31, 1893 .....	74.96
30	John S. Kirkham .....	Salary, Dec. 1 to Dec. 31, 1893 .....	50.50
30	Wm. Berton Nassau .....	Salary, Dec. 9 to 30, 1893 .....	133.00
30	E. T. Peters et al. ....	Salaries for December .....	2,487.00
	Total statistics .....		20,832.57
	Total foreign markets .....		2,644.12
	Total second quarter .....		23,476.69
1894.			
Jan. 3	Arthur Ticktum .....	Salary for December, 1893 .....	84.20
11	The Chesapeake and Potomac Telephone Co. ....	Telephone rent, Oct. 1 to Dec. 31, 1893 .....	15.00
17	John C. Parker .....	Manila envelopes .....	350.70
18	George Chapin .....	Salary for December, 1893 .....	50.50
25	Wyckoff, Seamans & Benedict .....	Copyholder .....	2.50
31	Wm. Berton Nassau .....	Services, January, 1894 .....	189.00
Feb. 1	E. T. Peters et al. ....	Salaries for January .....	2,574.74
1	Arthur Ticktum .....	Salary for January .....	86.10
3	Washington City post-office .....	Stamps .....	2,000.00
16	The Standard Engraving Co. ....	Engraving plate .....	4.95
20	A. H. Manville .....	Salary, Jan. 1 to Feb. 14, 1894 .....	75.03
28	Arthur Ticktum .....	Salary for February .....	77.80
28	W. B. Nassau .....	do .....	168.00
28	E. T. Peters et al. ....	Salaries for February .....	2,379.53
Mar. 2	John C. Parker .....	Mimeograph typewriter .....	6.50
2	do .....	Record book .....	1.78
3	Wm. W. Finney .....	Salary, Feb. 5 to 28, 1894 .....	128.57
3	do .....	Expenses, Feb. 5 to 28, 1894 .....	67.12
8	Henry A. Robinson .....	Expenses, February and March, 1894 .....	68.45
20	Arthur S. Fitz .....	Salary, Jan. 1 to Mar. 15, 1894 .....	82.27
26	John C. Parker .....	Manila envelopes .....	345.45
31	Edwin F. Smith .....	Salary, Jan. 1 to Mar. 31, 1894 .....	300.00
31	Frank V. Dilatush .....	do .....	300.00
31	Martin E. Argo .....	do .....	300.00
31	Aaron C. Hedden .....	do .....	300.00
31	L. P. Stephens .....	do .....	300.00
31	Elias S. Garver .....	do .....	250.00
31	Robt. W. Furnas .....	do .....	250.00
31	R. J. Redding .....	do .....	225.00
31	N. S. Dougherty .....	do .....	225.00
31	W. P. Hancock .....	do .....	225.00
31	J. C. Featherston .....	do .....	225.00
31	D. R. Michener .....	do .....	200.00
31	John H. Hammond .....	do .....	200.00
31	Milo E. Marsh .....	do .....	200.00
31	S. S. Neely .....	do .....	200.00
31	L. M. Fay .....	do .....	200.00
31	Harry O. Garvey .....	do .....	180.00
31	Nicholas McDowell .....	do .....	180.00
31	Frank H. Drown .....	do .....	180.00
31	Jno. C. Tipton .....	do .....	180.00
31	James H. Lane .....	do .....	150.00
31	Dandridge McRae .....	do .....	150.00
31	Frank E. Carstarphen .....	do .....	150.00
31	John S. Kirkham .....	do .....	150.00



*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## COLLECTING AGRICULTURAL STATISTICS—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Mar. 31	George Chapin .....	Salary, Jan. 1 to Mar. 31, 1894.	\$150.00
31	James A. Hayden .....	do	150.00
31	Henrietta Baugh .....	do	150.00
31	John H. Stevens .....	do	150.00
31	Robt. H. Howey .....	do	150.00
31	Frank K. Hobbs .....	do	150.00
31	Frank A. Foy .....	do	150.00
31	Harrison R. Kincaid .....	do	150.00
31	W. M. Scott .....	do	150.00
31	I. Washington Watts .....	do	150.00
31	G. L. Fryer .....	do	150.00
31	Burroughs Abbott .....	do	150.00
31	William Nelson .....	do	150.00
31	A. A. Olmstead .....	do	150.00
31	John R. Reavis .....	do	150.00
31	Jno. J. Cornwell .....	do	150.00
31	A. S. Mercer .....	do	150.00
31	Nathan Pratt .....	do	100.00
31	Richard Garnett .....	Salary, Feb. 1 to Mar. 31, 1894.	98.30
31	A. A. Persons .....	Salary, Feb. 15 to Mar. 31, 1894.	75.03
31	J. S. Soule .....	do	49.95
31	George A. Smith .....	Salary, Mar. 16 to Mar. 31, 1894.	17.78
31	Arthur Ticktum .....	Salary, for Mar., 1894.	86.10
31	Wm. B. Nassau .....	do	189.00
31	E. T. Peters et al. ....	Salaries for March, 1894.	2,758.53
	Total statistics .....		19,902.89
	Total foreign markets .....		1,897.69
	Total third quarter .....		21,800.58
Apr. 4	Wm. W. Finney .....	Salaries and expenses, March, 1894.	190.50
5	Thos. T. Crittenden .....	Statistical Directory .....	4.62
18	John C. Parker .....	Blank book .....	2.16
30	Arthur Ticktum .....	Salary for April, 1894.	82.40
30	E. T. Peters et al. ....	Salaries for April, 1894.	2,720.20
May 1	W. B. Nassau .....	Salary for April, 1894.	175.00
3	Wm. W. Finney .....	do	150.00
15	do .....	Expenses, February, March, and April, 1894.	45.38
21	Wm. Ballantyne & Sons .....	Paper .....	53.25
31	E. T. Peters et al. ....	Salaries for May, 1894.	2,773.81
June 1	Arthur Ticktum .....	Salary for May, 1894.	85.20
2	W. B. Nassau .....	do	189.00
7	Wm. W. Finney .....	do	150.00
7	John C. Parker .....	Envelopes .....	381.25
9	Wm. W. Finney .....	Expenses, May, 1894.	64.69
14	Frank H. Drown .....	Salary, Apr. 1 to May 14, 1894.	86.99
14	Washington City post-office .....	Postage stamps .....	1,000.00
23	John C. Parker .....	Manila tag board .....	46.00
30	L. P. Stevens .....	Services, Apr. 1 to June 30, 1894.	300.00
30	Edwin F. Smith .....	do	300.00
30	Frank V. Dilatash .....	do	300.00
30	Aaron C. Hedden .....	do	300.00
30	Martin E. Argo .....	do	300.00
30	Elias S. Garver .....	do	250.00
30	Robt. W. Furnas .....	do	250.00
30	W. P. Hancock .....	do	225.00
30	N. S. Dougherty .....	do	225.00
30	J. C. Featherston .....	do	225.00
30	D. R. Michener .....	do	200.00
30	John H. Hammond .....	do	200.00
30	Milo E. Marsh .....	do	200.00
30	George Chapin .....	do	150.00
30	L. M. Fay .....	do	200.00
30	S. S. Neely .....	do	200.00
30	Nicholas McDowell .....	do	180.00
30	Harry O. Garvey .....	do	180.00
30	Jno. C. Tipton .....	do	180.00
30	A. S. Mercer .....	do	150.00
30	Richard Garnett .....	do	150.00
30	Dandridge McRae .....	do	150.00
30	Frank E. Carstarphen .....	do	150.00
30	A. A. Persons .....	do	150.00
30	John S. Kirkham .....	do	150.00
30	James H. Lane .....	do	150.00
30	Henrietta Baugh .....	do	150.00
30	A. A. Olmsted .....	do	150.00
30	G. L. Fryer .....	do	150.00
30	Frank A. Foy .....	do	150.00
30	W. M. Scott .....	do	150.00

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## COLLECTING AGRICULTURAL STATISTICS—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
June 30	I. Washington Watts.....	Services, Apr. 1 to June 30, 1894.....	\$150.00
30	James A. Hayden.....	do.....	150.00
30	Frank K. Hobbs.....	do.....	150.00
30	Burroughs Abbott.....	do.....	150.00
30	John H. Stevens.....	do.....	150.00
30	John R. Reavis.....	do.....	150.00
30	Robt. H. Howey.....	do.....	150.00
30	Jno. J. Cornwell.....	do.....	150.00
30	George A. Smith.....	do.....	100.00
30	J. S. Soule.....	do.....	100.00
30	Nathan Pratt.....	do.....	100.00
30	Arthur Latham Perry.....	Services, May 15 to June 30, 1894.....	92.93
30	Guy C. Wilson.....	Services, May 16 to June 30, 1894.....	75.87
30	William Nelson.....	Services, Apr. 1 to May 14, 1894.....	72.58
30	Harrison R. Kincaid.....	Services, Apr. 1 to June 30, 1894.....	150.00
30	Wm. Berton Nassau.....	Services, June 1 to 30, 1894 (26 days).....	182.00
30	E. T. Peters et al.....	Salaries for June.....	2,580.90
	Total statistics.....		19,019.73
	Total foreign markets.....		1,986.48
	Total fourth quarter.....		21,006.21
	Supplemental.....		
July 2	Arthur Ticktum.....	Salary for June, 1894.....	82.40
2	R. J. Redding.....	Services, Apr. 1 to June 30, 1894.....	225.00
7	Wm. W. Finney.....	Salary, June, 1894.....	150.00
13	do.....	Expenses, June, 1894.....	49.56
19	John C. Parker.....	Envelopes.....	381.97
Aug. 2	Easton & Rupp.....	Paper.....	8.10
	Total statistics.....		897.03
	Total foreign markets.....		53.79
	Total supplemental.....		950.82

## RECAPITULATION.

First quarter.....	\$23,839.85
Second quarter.....	23,476.69
Third quarter.....	21,800.58
Fourth quarter.....	21,006.21
Supplemental.....	950.82
Total.....	91,074.15

## INVESTIGATING FOREIGN DEMANDS FOR UNITED STATES AGRICULTURAL PRODUCTS.

Date.	Name.	Nature of payment.	Total.
1893.			
July 21	I. I. Murphy.....	Salary, July 1 to 15.....	\$48.91
Aug. 2	C. J. Murphy.....	Salary, July 1 to 31.....	210.60
7	do.....	Expenses in July.....	251.25
18	John Mattes, jr.....	Salary for July.....	294.80
31	do.....	Salary for August.....	294.80
31	C. J. Murphy.....	do.....	294.80
	Total first quarter.....		1,395.16
Oct. 3	C. J. Murphy.....	Salary for September.....	285.40
3	John Mattes, jr.....	do.....	285.40
24	do.....	Expenses, July, August, and September.....	261.79
31	C. J. Murphy.....	Salary for October.....	294.80
31	do.....	Expenses in August.....	42.76
31	John Mattes, jr.....	Salary for October.....	294.80
Dec. 1	C. J. Murphy.....	Salary for November.....	285.40
1	John Mattes, jr.....	do.....	285.40
30	do.....	Salary for December, 1893.....	294.80
30	C. J. Murphy.....	do.....	294.80
30	do.....	Expenses, October, 1893.....	13.49
30	do.....	Expenses, November, 1893.....	5.28
	Total second quarter.....		2,644.12

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

INVESTIGATING FOREIGN DEMANDS FOR UNITED STATES AGRICULTURAL PRODUCTS—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Jan. 31	C. J. Murphy .....	Salary, January, 1894 .....	\$301.40
31	do .....	Expenses, December, 1893 .....	3.91
Feb. 1	John Mattes, jr. ....	Salary for January, 1894 .....	301.40
16	C. Ferslew & Co. ....	Expenses, Murphy, in November, 1893 .....	14.05
16	do .....	Expenses, Murphy, in December, 1893 .....	3.38
28	John Mattes, jr. ....	Salary for February, 1894 .....	272.20
28	C. J. Murphy .....	do .....	272.20
28	do .....	Cornmeal, etc. ....	4.00
28	do .....	Freight, etc., on cranberries .....	3.36
28	do .....	Stationery, etc. ....	1.86
Mar. 22	John Mattes, jr. ....	Expenses in October, 1893. ....	74.13
22	do .....	Expenses in November, 1893. ....	43.00
31	do .....	Salary for March, 1894 .....	301.40
31	C. J. Murphy .....	do .....	301.40
	Total third quarter .....		1,897.69
Apr. 10	C. J. Murphy .....	Expenses in July, August, and September, 1893. ....	42.42
10	do .....	Expenses in October, 1893 .....	15.21
30	do .....	Salary for April, 1894 .....	288.50
30	John Mattes, jr. ....	do .....	288.50
May 12	New York Equitable Life Insurance Co. ....	Rent space, July 1 to Sept. 30, 1893. ....	51.03
12	C. J. Murphy .....	Expenses, February, 1894 .....	30.33
12	do .....	do .....	.78
12	do .....	Expenses, May, 1894 .....	7.96
June 1	John Mattes, jr. ....	Salary for May, 1894 .....	298.00
1	do .....	Expenses, January, 1894 .....	15.44
1	C. J. Murphy .....	Salary for May, 1894 .....	298.00
1	do .....	Expenses, April, 1894 .....	9.77
30	John Mattes, jr. ....	Salary, June, 1894 .....	288.50
30	do .....	Expenses, April and May, 1894 .....	33.41
30	C. J. Murphy .....	Expenses, February, 1894 .....	4.58
30	do .....	Expenses, May, 1894 .....	5.21
30	do .....	do .....	13.01
30	do .....	Salary, June, 1894 .....	288.50
30	do .....	Expenses, June, 1894 .....	7.33
	Total fourth quarter .....		1,986.48
	Supplemental.		
July 3	Adolphe Mertens .....	Pamphlets on maize, etc. ....	53.79

RECAPITULATION.

First quarter .....	\$1,395.16
Second quarter .....	2,644.12
Third quarter .....	1,897.69
Fourth quarter .....	1,986.48
Supplemental .....	53.79
Total .....	7,977.24

BOTANICAL INVESTIGATIONS AND EXPERIMENTS.

Date.	Name.	Nature of payment.	Total.
1893.			
July 24	C. Becker .....	Leather straps .....	\$4.50
31	L. H. Dewey et al. ....	Salaries for July .....	1,050.98
Aug. 1	Frederick Funston .....	Salary for July .....	185.00
2	Fred Clements .....	do .....	100.00
2	Edward Palmer .....	do .....	100.00
2	John B. Leiberg .....	do .....	150.00
2	C. H. Thompson .....	do .....	100.00
8	E. Morrison Paper Co. ....	Dryers, etc. ....	20.40
9	George W. Knox Express .....	Freight and drayage, July .....	3.07
14	A. H. Curtiss .....	Florida plants .....	75.15
14	Rachel C. C. Vasey, administratrix. ....	Herbarium specimens .....	36.50
16	Library Bureau .....	Cards .....	18.42
18	P. A. Rydberg .....	Salary for July .....	100.00
22	H. C. Brooks .....	Labor for July .....	90.00



Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## BOTANICAL INVESTIGATIONS AND EXPERIMENTS—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Aug. 22	C. C. Jones .....	Labor for July .....	\$45.00
22	J. A. Sewall .....	Salary for July .....	84.20
22	Thomas Morong .....	Specimens of plants .....	10.40
22	J. H. Sandberg .....	Salary for July .....	150.00
22	E. W. Crawford .....	Herbarium specimens .....	4.50
22	Adams Express Co. ....	Transportation, July .....	1.60
26	Richard Spruce .....	Herbarium specimens .....	25.48
30	Geo. W. Hobbs .....	Transportation, plant specimens, etc. ....	.28
31	C. H. Thompson .....	Salary for August .....	100.00
31	Edward Palmer .....	do .....	100.00
31	Fred Clements .....	do .....	100.00
31	J. H. Sandberg .....	do .....	150.00
31	John B. Leiberger .....	do .....	150.00
31	L. H. Dewey et al .....	Salaries for August .....	1,007.02
Sept. 4	North Pacific R. R. Co. ....	Transportation, July (Rose) .....	25.00
4	Wisconsin Central Lines, North Pacific R. R. Co., lessee. ....	do .....	8.60
4	W. E. Kirby et al .....	Labor, July .....	80.00
4	P. A. Rydberg .....	Salary, August .....	100.00
5	E. N. Gause .....	Repairs, carriage bolts, etc. ....	7.45
5	W. E. Kirby et al .....	Labor, August .....	66.66
5	C. C. Jones .....	do .....	45.00
11	J. A. Sewall .....	Salary for August .....	84.20
11	The Missouri Pacific Rwy. Co. ....	Transportation, Coville, July .....	5.90
12	Geo. W. Knox Express .....	Freight on plants .....	8.36
13	Atchison, Topeka and Santa Fe R. R. Co. ....	Transportation, Coville, July .....	2.00
19	Frederick Funston .....	Salary for August .....	185.00
21	Chicago, Milwaukee and St. Paul Rwy. Co. ....	Transportation, Coville, July .....	9.25
21	F. V. Coville .....	Traveling expenses to Madison, Wis., August .....	80.95
25	Pennsylvania Co .....	Transportation, Coville, July .....	17.50
27	The Norris-Peters Co. ....	Printing map of Death Valley .....	160.00
27	United States Express Co. ....	Transportation in August .....	1.70
30	H. C. Brooks .....	Salary for August .....	90.00
30	A. H. Love et al .....	Salaries for September .....	812.00
	Total first quarter .....		5,752.07
Oct. 2	E. Morrison Paper Co. ....	White mounting paper .....	110.00
2	do .....	Herbarium paper .....	1.10
3	J. H. Sandberg .....	Salary, Sept. 1 to 10, 1893 .....	50.00
3	John B. Leiberger .....	do .....	50.00
4	W. E. Kirby et al .....	Labor, September, 1893 .....	80.00
4	C. C. Jones .....	do .....	45.00
4	H. C. Brooks .....	Services for self and team, September .....	65.00
4	Edward Palmer .....	Illustrations Snake Plains of Idaho .....	3.00
5	Library Bureau .....	Index cards .....	14.40
5	Geo. R. Seiffert .....	Type cleaner .....	2.50
5	E. Morrison Paper Co. ....	Strawboard, etc. ....	2.30
7	J. A. Sewall .....	Salary for September .....	81.60
9	Northern Pacific R. R. Co. ....	Transportation, Sandberg, August .....	25.00
9	Baltimore and Ohio R. R. Co. ....	Transportation, Rose, July .....	34.50
9	J. N. Rose .....	Expenses, August and September .....	107.90
9	do .....	Expenses, July 19 to Aug. 2, 1893 .....	59.23
11	A. A. Heller .....	Herbarium specimens .....	49.55
11	Barber & Ross .....	Hammer .....	.50
16	Frederick Funston .....	Salary for September .....	185.00
17	E. G. Dobson .....	Salary for August .....	75.00
17	A. H. Curtiss .....	Herbarium specimens .....	75.15
20	Adams Express Co. ....	Transportation, September .....	1.50
23	P. A. Rydberg .....	Salary, Sept. 1 to 10 .....	33.33
24	Southern Pacific Co. (Atlantic system). ....	Transportation, specimens, etc. ....	2.47
24	Bausch & Lomb Optical Co. ....	Reading glass .....	1.88
30	C. R. Thomas .....	Salary, Oct. 1 to 15 .....	29.35
31	Great Northern Rwy. Co. ....	Transportation, Sandberg, August .....	9.85
31	New York Photogravure Co. ....	Making copies of plate .....	80.00
31	A. H. Love et al .....	Salaries for October .....	735.40
Nov. 2	Frederick Funston .....	Salary for October .....	185.00
4	A. B. Seymour .....	Genus covers .....	8.75
9	Terre Haute and Indianapolis R. R. Co. ....	Transportation, Palmer, September .....	19.25
9	John Craig .....	Blacksmith work .....	5.75
9	E. N. Gause .....	Hardware, etc. ....	9.55
9	W. E. Kirby et al .....	Labor, October .....	81.65
9	R. J. Allman .....	Heading corn .....	17.55
9	H. C. Brooks .....	Services, self and team, October .....	65.00
9	C. C. Jones .....	do .....	45.00

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## BOTANICAL INVESTIGATIONS AND EXPERIMENTS—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Nov. 9	J. A. Sewall	Services, self and team, October	\$84.20
11	J. N. Rose	Expenses in August and September	68.55
17	Rio Grande Western Rwy. Co.	Transportation, Palmer, September	25.00
17	T. H. Kearney, jr.	Plants for herbarium	23.36
17	Missouri Pacific Rwy. Co.	Transportation, Palmer, September	5.00
18	Z. D. Gilman	Corrosive sublimate, etc.	3.85
20	E. Morrison Paper Co.	Herbarium paper	6.75
27	Atchison, Topeka and Santa Fe R. R. Co.	Transportation, Palmer, September	10.75
27	N. V. Randolph & Co.	Binders	13.50
27	E. Morrison Paper Co.	Binders' board, etc.	2.30
28	Chicago, St. Paul, Minneapolis and Omaha Rwy.	Transportation, Rose, September	7.00
30	A. H. Love et al.	Salaries for November	787.60
Dec. 1	A. H. Curtiss	Herbarium specimens	74.70
6	Northern Pacific R. R. Co.	To cover error in transportation, Rose, in July, 1893.	2.20
6	M. L. Fernald	Herbarium specimens	16.88
6	Adams Express Co.	Transportation in October	10.85
9	Frederick Funston	Salary for November	185.00
11	Z. D. Gilman	Alcohol, etc.	46.82
12	Northern Pacific R. R. Co.	Transportation, Rose, in September	28.00
16	W. T. Eggen	Services as auctioneer, Oct. 30	10.00
18	Marcus E. Jones	Herbarium specimens	218.00
19	D. M. Bauman	Threshing corn	12.00
19	United States Express Co.	Transportation, November	2.35
26	S. M. Tracy	Report on Forage Experiments in the South.	100.00
26	Adams Express Co.	Transportation, November	13.80
30	E. W. Crawford	Specimens Texas plants	4.00
30	A. H. Love et al.	Salaries for December	811.20
	Total second quarter		5,021.67
1894.			
Jan. 2	L. H. Dewey	Expenses, Nov. 11 to Dec. 1, 1893	63.20
3	Chicago and Northwestern Rwy. Co.	Transportation, Dewey, November, 1893.	34.08
3	Fremont, Elkhorn and Missouri Valley R. R. Co.	do	20.26
3	Northern Pacific R. R. Co.	do	7.74
5	Geo. W. Knox Express	Freight and drayage, November, 1893.	27.07
8	Frederick Funston	Salary for December	185.00
8	Gibson Bros	Herbarium shelf flaps	31.25
11	The Chesapeake and Ohio Rwy. Co.	Transportation, Dewey, November, 1893.	17.00
11	B. F. Bush	Herbarium specimens	9.12
12	Norris Bros.	Advertising	7.60
12	Garden City Imprint	do	6.60
12	James B. Olcott	Salary, Dec. 1, 1893, to Jan. 10, 1894	99.19
12	J. H. Sandberg	Herbarium specimens	16.10
15	Augusta Dillon	Labor, Jan. 1 to 8, 1894	13.04
16	Kate Haughton	do	13.04
17	E. Morrison Paper Co.	Herbarium mounting paper	55.00
18	United States Express Co.	Transportation, October	3.75
18	do	Transportation, December	11.05
20	Baltimore and Ohio R. R. Co.	Transportation, Dewey, November	17.50
20	do	Transportation, plants, July	84.00
20	A. A. Heller	Herbarium specimens	15.00
20	John B. Leiberg	Services, Dec. 15 to 31, 1893	27.41
25	George W. Knox Express	Drayage, November	50.00
31	Geo. D. Nash	Salary, January, 1894	100.00
31	A. H. Love et al.	Salaries for January, 1894	874.69
Feb. 2	Chicago, Milwaukee and St. Paul Rwy. Co.	Transportation, Dewey, November, 1893	5.80
3	Garden & Forest Publishing Co.	Electrotype of cut of agave	1.00
3	John B. Leiberg	Salary, January, 1894	50.00
10	E. H. Morrison	Cabinet, etc.	150.00
13	E. Morrison Paper Co.	Paper for mounting plants	75.00
16	Byron D. Halsted	Book on "Weeds"	10.00
17	New York, New Haven and Hartford R. R. Co.	Transportation, Olcott, January	9.50
17	Wisconsin Central Line	Transportation, Leiberg, December, 1893.	9.02
23	Pennsylvania R. R. Co.	Transportation, specimens, December, 1893.	.72
26	Northern Pacific R. R. Co.	Transportation, Leiberg and Dewey, November and December, 1893.	28.50
26	Charles Parker	Photographic work	4.10
27	Frederick Funston	Salary for January 1894.	185.00
27	Henry Heil	Articles for testing seeds	7.58
27	Eimer & Amend	do	42.62



*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## BOTANICAL INVESTIGATIONS AND EXPERIMENTS—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Feb. 27	H. N. Patterson	Index cards	\$15.00
27	T. A. Williams	Herbarium specimens	5.00
28	A. H. Love et al	Salaries for February, 1894	867.20
Mar. 2	John C. Parker	Cyclostyle paper, etc.	3.55
2	George D. Nash	Salary for February, 1894	100.00
2	John B. Leiberg	do	50.00
2	Cambridge Botanical Supply Co.	Mounting paper	9.00
6	Eimer & Amend	Analytical balance, etc.	60.50
8	J. Baungarten & Sons	Repairing stamp	1.00
10	E. Morrison Paper Co.	Jute paper	8.40
13	H. Lindenmeyer & Sons	Paper	8.25
13	Southern Pacific Co. (Atlantic system).	Transportation, plants, in July, 1893	2.58
14	Frederick Funston	Salary for February, 1894	185.00
16	Schering & Glatz	Formalin	1.50
16	C. Becker	Wire presses	14.60
20	Eimer & Amend	Glass tubes	15.10
21	Chicago, Rock Island and Pacific Rwy. Co.	Transportation, Dewey, November, 1893	6.15
31	John B. Leiberg	Salary, March 1 to 15	24.19
31	A. H. Love et al	Salaries for March	768.00
	Total third quarter		4,305.64
Apr. 2	Hadley & Vawter Co.	Metal-clasp envelopes	7.50
2	The Blair Camera Co.	Photographic supplies	49.35
2	P. A. Rydberg	Salary, Oct. 15, 1893, to Feb. 14, 1894	202.25
2	Marcus E. Jones	Salary for March, 1894	100.00
3	Hammond & Jones	Labels	3.00
6	Z. D. Gilman	Carboy, etc.	2.37
9	Whitall, Tatum & Co.	Vials	11.44
9	Camb. Bot. Sup. Co.	Card catalogue	5.00
12	do	Mounting paper	55.00
12	The Whitney-Noyes Seed Co.	Seed tryer	1.00
12	Alex. Schmid	Boxes	21.00
13	C. G. Pringle	Herbarium specimens	25.00
14	New Mexico and Arizona R. R. Co.	Transportation, box, July 1, 1893	.28
18	H. N. Patterson	Index cards	15.75
20	Geo. W. Knox Express	Freight and drayage, March, 1894	2.68
21	Eimer & Amend	Sieves	8.75
23	Woodward & Lothrop	Hammer, etc.	1.19
23	Camb. Bot. Sup. Co.	Driers	25.00
27	Frederick Funston	Salary for March, 1894	185.00
28	H. W. Hendley	Labor, April 17 to 27, 1894	20.00
30	Marcus E. Jones	Salary for April, 1894	100.00
30	John B. Leiberg	Salary, April 15 to 30, 1894	80.00
30	F. Lamson-Scribner	Salary, April 13 to 30, 1894	123.63
30	A. H. Love et al	Salaries for April, 1894	755.08
May 2	N. D. Randolph & Co.	Cloth-lid boxes	34.50
5	Z. D. Gilman	Bottles	1.50
7	Frederick Funston	Salary, April, 1894	185.00
10	Bausch & Lomb Optical Co.	Lens	40.38
14	Alex. Schmid	Boxes	6.50
14	Pennsylvania R. R. Co.	Transportation, Leiberg, March, 1894	17.00
14	Library Bureau	Index cards	14.40
14	Bausch & Lomb Optical Co.	Remodeling microscope, etc.	101.54
15	John Loyd	Machine bag dies	21.00
16	Bausch & Lomb Optical Co.	Microscope, etc.	108.55
21	H. N. Patterson	Check lists	2.25
23	E. Morrison Paper Co.	Herbarium paper	55.00
24	F. Lamson-Scribner	Expenses in May	47.30
29	Ernest Kübel	Cover and springs for odometer	3.00
31	A. H. Love et al	Salaries for May	800.20
June 1	Marcus E. Jones	Salary for May	100.00
1	John D. Leiberg	do	150.00
1	Henry H. Brown	Barometers	36.00
2	F. Lamson-Scribner	Salary for May, 1894	213.00
2	E. Morrison Paper Co.	Genus covers	4.00
2	A. Fredholm	Herbarium specimens	12.64
4	Eimer & Amend	Micrometer	2.00
5	Photo-Engraving Co.	Engraving of thistle, etc.	90.00
5	H. Lindenmeyer & Sons	Paper	8.25
7	Northern Pacific R. R. Co.	Transportation, Leiberg, April, 1894	40.00
7	Baltimore and Ohio R. R. Co.	Transportation, Leiberg, January, 1894	17.50
8	Z. D. Gilman	Atomizer	1.40
9	Evans & Bartle	Engraving maps, etc.	354.00
12	P. & D. Hiser	Flowerpots, etc.	3.26
13	Chicago, Milwaukee and St Paul Rwy. Co.	Transportation, Leiberg, April, 1894	11.50

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

BOTANICAL INVESTIGATIONS AND EXPERIMENTS—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
June 16	Cambridge Botanical Supply Co.	Mounting paper.....	\$9.00
16	E. Morrison Paper Co.	Strawboard.....	8.50
16	do	Strawboard and binders.....	4.60
18	Eimer & Amend	Jars, chemicals, etc.....	33.79
19	E. W. Nelson	Herbarium specimens.....	15.00
30	John B. Leiberg	Salary, June, 1894.....	150.00
30	Marcus E. Jones	do.....	100.00
30	E. Lamson-Scribner et al.	Salaries, June, 1894.....	1,079.80
	Total fourth quarter.....		5,682.63
	Supplemental.		
July 2	John Maconn	Herbarium specimens.....	12.00
2	H. N. Patterson	Index cards.....	16.65
2	Eimer & Amend	Germinating apparatus, etc.....	222.25
10	Frederick Funston	Salary, May, 1894.....	185.00
10	do	Salary, June, 1894.....	185.00
13	Henry J. Green	Thermometer, etc.....	15.50
16	Z. D. Gilman	Corrosive sublimate.....	2.40
21	E. Morrison Paper Co.	Genus covers.....	5.00
Aug. 1	V. H. Igo	Freight.....	.25
7	Kano Watanabe	Herbarium specimens.....	83.00
16	Bausch & Lomb Optical Co.	Supplies for seed laboratory.....	2.75
16	Richards & Co., Limited	Microscopes, etc.....	53.30
20	Camb. Bot. Sup. Co.	Gummed paper.....	4.17
Sept. 5	Arthur W. Robson	Foreign charges, etc., on seeds.....	4.50
6	Herman Baumgarten	Numerator.....	25.00
15	J. M. Holzinger	Services as special agent.....	200.00
15	P. A. Rydberg	do.....	200.00
15	Transportation orders	.....	18.43
15	Public Printer	.....	181.77
	Total supplemental.....		2,416.97

RECAPITULATION.

Total first quarter.....	\$5,752.07
Total second quarter.....	5,021.67
Total third quarter.....	4,305.64
Total fourth quarter.....	5,682.63
Total supplemental.....	2,416.97
Total.....	23,178.98

INVESTIGATING THE HISTORY OF INSECTS.

Date.	Name.	Nature of payment.	Total.
1893.			
July 21	Herman Baumgarten	Stamp.....	\$81.00
31	Richard S. Lull	Salary for July.....	84.20
31	E. A. Schwarz et al	Salaries for July.....	787.80
Aug. 4	Mary E. Muntfeldt	Salary for July.....	50.00
4	A. S. Packard	do.....	75.00
4	Washington Gaslight Co.	Gas for July.....	.25
5	Albert Koebele	Salary for July.....	126.40
9	D. W. Coquillett	do.....	126.40
9	Lawrence Bruner	do.....	50.00
9	John Schmitt	Insect boxes.....	110.00
9	Herbert Osborn	Salary for July.....	50.00
14	Jos. G. Barlow	do.....	50.00
16	Annie C. Bell, executrix.	Photographs.....	10.50
19	Blake & Co	Pinning forceps.....	1.50
22	Otoji Takahashi	Salary for July.....	50.00
22	Adams Express Co	Transportation in July.....	1.25
24	Woodward & Lothrop	Tarlatan and cotton.....	5.60
31	Otoji Takahashi	Salary for August.....	50.00
31	Richard S. Lull	do.....	84.20
31	E. A. Schwarz et al	Salaries for August.....	787.80
Sept. 1	Wm. H. Ashmead	Expenses, July and August.....	77.45
4	A. S. Packard	Salary for August.....	75.00
4	Herbert Osborn	do.....	50.00
4	L. O. Howard	Expenses in August, trip to Madison, Wis.....	65.59
5	Robert Milliken	Expenses in July and August.....	14.75
5	Mary E. Muntfeldt	Salary for August.....	50.00

Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## INVESTIGATING THE HISTORY OF INSECTS—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Sept. 7	Lawrence Bruner .....	Salary for August .....	\$50.00
7	Jos. G. Barlow .....	do .....	50.00
7	Wyckoff, Seamans & Benedict..	Repairs to typewriter .....	4.56
7	Joseph Mathy .....	Tin boxes .....	44.00
7	Z. D. Gilman .....	Chloroform, etc. ....	6.00
7	Washington Gaslight Co. ....	Gas for August .....	.25
11	Albert Koebele .....	Expenses in August .....	37.15
12	Geo. W. Knox Express .....	Freight on insect boxes .....	1.14
13	D. W. Coquillett .....	Salary and expenses, August .....	134.10
13	John Aerni .....	Services, August 20 to 31 .....	15.48
15	Foster Lindsay .....	Salary, September 1 to 15 .....	19.57
26	The Oregon Short Line and Utah Northern Rwy. Co. ....	Transportation, Milliken, July .....	13.25
27	United States Express Co. ....	Transportation, August .....	.60
28	John Green .....	Tolles' triplet lens .....	12.50
30	Albert Koebele .....	Salary for August .....	126.40
30	Levytype Co .....	Photo-engraving, etc. ....	3.50
30	E. A. Schwarz et al .....	Salaries for September .....	732.54
	Total first quarter .....		4,085.73
Oct. 4	Albert Koebele .....	Salary for September .....	122.20
4	Herbert Osborn .....	do .....	50.00
4	Geo. R. Seiffert .....	Type cleaners .....	7.50
5	A. S. Packard .....	Salary for September .....	75.00
5	Lawrence Bruner .....	do .....	50.00
5	The Oregon Short Line and Utah Northern Rwy. Co. ....	Transportation, Milliken, August .....	10.35
5	John Akhurst .....	Pins .....	5.00
5	Richard S. Lull .....	Salary for September .....	81.60
6	Geo. Ryneal, jr. ....	Brushes, cardboard, etc. ....	7.10
7	Mary E. Murtfeldt .....	Salary for September .....	50.00
7	Chesapeake and Potomac Tele- phone Co. ....	Telephone rent, July 1 to Sept. 30 .....	15.00
9	D. W. Coquillett .....	Salary for September, and livery, Aug. 2 .....	124.20
9	John Aerni .....	Salary for September .....	40.00
9	Jos. G. Barlow .....	do .....	50.00
10	Photo-Engraving Co. ....	Engravings .....	17.94
11	John C. Parker .....	Varnish .....	.60
13	Adams Express Co. ....	Transportation, August .....	6.45
17	L. H. Hopkins .....	Razor .....	1.50
20	Adams Express Co. ....	Transportation, September .....	1.50
28	Photo-Engraving Co. ....	Plates .....	11.13
28	Saml. Henshaw .....	Salary, July 1 to Sept. 30 .....	225.00
31	E. A. Schwarz et al .....	Salaries for October .....	813.10
Nov. 2	Richard S. Lull .....	Salary for October .....	84.20
3	Washington Gaslight Co. ....	Gas for October .....	.25
4	Herbert Osborn .....	Salary for October .....	50.00
4	Saml. Henshaw .....	do .....	75.00
4	Lawrence Bruner .....	do .....	50.00
4	Frank Benton .....	Expenses for October .....	40.10
6	Geo. Ryneal, jr. ....	Bristol board .....	6.00
8	F. H. Chittenden .....	Expenses in September .....	75.25
8	C. V. Riley .....	Expenses in October .....	74.37
8	D. W. Coquillett .....	Salary and expenses, October .....	158.15
9	Mary E. Murtfeldt .....	Salary, October .....	50.00
14	F. H. Chittenden .....	Expenses, October .....	50.25
16	L. O. Howard .....	do .....	.85
17	John Green .....	Triplet lens .....	13.50
18	Z. D. Gilman .....	Bisulphide carbon, etc. ....	2.74
24	Frank Benton .....	Subsistence at Chicago, October .....	15.25
30	E. A. Schwarz et al .....	Salaries for November .....	778.80
Dec 1	John Akhurst .....	Insect pins .....	10.00
1	Richard S. Lull .....	Salary for November .....	81.60
1	Wyckoff, Seamans & Benedict..	Repairs to typewriter .....	.75
4	Mary E. Murtfeldt .....	Salary for November .....	50.00
4	Lawrence Bruner .....	do .....	50.00
6	Herbert Osborn .....	do .....	50.00
6	John C. Parker .....	Rollers for letterpress .....	6.00
9	Hanson Bros. ....	Electros .....	1.10
11	D. W. Coquillett .....	Salary for November .....	122.20
11	Z. D. Gilman .....	Quinine bottles .....	2.40
19	United States Express Co. ....	Transportation, November .....	2.70
21	Z. D. Gilman .....	Quinine bottles .....	2.68
21	Southern California Rwy. Co. ....	Transportation, Coquillett, October, 1893 .....	69.23
26	Adams Express Co. ....	Transportation, November .....	3.85
30	E. A. Schwarz et al .....	Salaries for December .....	813.10
	Total second quarter .....		4,565.49



*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

INVESTIGATING THE HISTORY OF INSECTS—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Jan. 2	Richard S. Lull	Salary, December, 1893	\$84.20
3	Lawrence Bruner	do	50.00
4	Herbert Osborn	do	50.00
5	Mary E. Murtfeldt	do	50.00
5	D. W. Coquillett	Salary and expenses, December, 1893	145.45
5	do	Expressage, October, 1893	41.95
8	H. E. Armstrong & Co.	Awnings, etc	45.00
11	Levytype Co.	Photo-engraving	12.90
16	Hanson Bros.	Electros	55
18	United States Express Co.	Transportation, October	1.95
23	Adams Express Co.	Transportation, December	4.75
25	Geo. W. Knox express	Hauling and storage	1.25
31	E. A. Schwarz et al.	Salaries for January, 1894	829.80
Feb. 1	D. W. Coquillett	Salary for January, 1894	129.20
1	Sam'l. Henshaw	Salary for November and December, 1893	150.00
1	Library Bureau	Shelf label holders	1.20
1	Sam'l. Henshaw	Salary, January, 1894	75.00
2	Washington Gaslight Co.	Gas for December	.25
3	Herbert Osborn	Salary for January, 1894	50.00
3	Lawrence Bruner	do	50.00
6	Z. D. Gilman	Soda, etc.	2.05
6	J. B. Chamberlain	Photo-engraving	16.50
8	Washington Gaslight Co.	Gas for January	.25
10	John Green	Lens	13.50
10	Mary E. Murtfeldt	Salary for January	50.00
13	D. W. Coquillett	Expenses, freight, etc., October	12.94
13	E. Morrison Paper Co.	Genus covers	1.25
14	Jas. L. Barbour & Son	Buhach	1.67
14	J. McL. Dodson	Lime	.75
16	John Schmitt	Insect boxes	105.00
19	Mary E. Murtfeldt	Salary, Feb. 1 to 15, 1894	26.78
20	Photo-Engraving Co.	Engraving	7.55
21	Adams Express Co.	Transportation in January	1.10
23	Lawrence Bruner	Salary, Feb. 1 to 15, 1894	26.78
23	United States Express Co.	Transportation in January	1.05
24	W. S. Jenks	Gas stove	1.00
24	Geo. W. Knox Express	Freight on boxes	1.02
26	C. V. Riley	Trip to Norfolk, Va., January, 1894	16.80
27	I. P. Roosa	Duty, etc., on case of cane	2.50
27	W. M. White & Bro.	Galvanized iron	.25
27	Williamsburg Cork Co.	Sheets of cork	30.00
28	D. W. Coquillett	Salary for February, 1894	116.60
28	E. A. Schwarz et al.	Salaries for February, 1894	799.40
Mar. 2	Adams Express Co.	Transportation in October	9.70
2	Simpson, Spence & Young, agents.	Freight and duty on case insects	13.85
2	Washington Gaslight Co.	Gas for February	.50
3	Whitall, Tatum & Co.	Vials	36.45
3	Herbert Osborn	Salary, Feb. 1 to 15, 1894	26.78
6	Sam'l. Henshaw	do	40.17
9	John R. Thomas	Labor, Mar. 6 to 8, 1894	3.75
10	Hanson Bros.	Electrotypes	1.75
13	Library Bureau	Index cards	3.20
14	Z. D. Gilman	Chemicals, etc.	20.48
19	Woodward & Lothrop	Cotton batting	1.08
20	R. C. M. Burton	Apparatus for fumigating	185.98
24	Geo. Ryneal, jr.	Supplies for repairing models	5.49
31	Levytype Co.	Plates	9.05
31	E. A. Schwarz et al.	Salaries for March	869.80
	Total third quarter		4,236.22
Apr. 2	D. W. Coquillett	Salary and expenses, March, 1894	158.00
3	Photo-Engraving Co.	Plates, etc	1.27
6	Z. D. Gilman	Soap, etc.	9.50
7	Henry H. Brown	Slides, etc.	14.40
9	C. L. Marlatt	Expenses, Mar. 31 and Apr. 1, 1894	4.20
11	Queen & Co., Incorporated	Slide boxes	7.00
11	John Akhurst	Insect pins	3.63
12	R. Shorrock	Photos on wood	1.06
12	Photo-Engraving Co.	Plates, etc	3.25
12	M. W. Boveridge	Kettle and cup	1.05
12	John C. Parker	Mimeograph paper	2.25
21	Wyckoff, Seamans & Benedict.	Repairing typewriter	6.75
27	Woodward & Lothrop	Swiss	2.00
30	E. A. Schwarz et al.	Salaries for April, 1894	796.80
May 3	D. W. Coquillett	Salary for April, 1894	123.60
5	Z. D. Gilman	Bottles, etc	6.40
9	Frederick Carl	Frames for nets	6.00
10	John Green	Magnifier	12.50

## EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

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*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## INVESTIGATING THE HISTORY OF INSECTS—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
May 16	Frederick Carl	Repairing microscope	\$3.00
29	Franklin & Co.	Lens	2.50
29	Woodward & Lothrop	Tarlatan	1.50
29	Geo. J. Mueller	Glucose and pail	1.16
31	E. A. Schwarz et al	Salaries for May	821.40
June 2	D. W. Coquillett	Salary for May	127.80
5	Henry G. Hubbard	Salary, May 3 to 31, 1894	93.55
8	Z. D. Gilman	Chemicals	6.25
9	do	Bottles, etc	4.05
9	Enner & Amend	Jars	12.30
13	C. Schneider	Hose, etc	5.40
16	John Green	Lens	13.50
25	L. H. Schneider's Son	Iron pails, etc	5.65
25	Library Bureau	Index cards	1.69
28	James B. Lambie	Corner irons	1.50
30	E. A. Schwarz et al	Salaries for June	788.50
	Total fourth quarter		3,048.32
	<i>Supplemental.</i>		
July 2	Henry G. Hubbard	Salary, June 1 to 15, 1894	50.00
2	do	Expenses in June, 1894	16.50
5	Library Bureau	Index cards	4.80
5	The Denning Co.	Sprayer	12.00
6	Z. D. Gilman	Bottles	.50
6	do	Glass measure	.60
7	Levytype Co	Photo-engraving, etc	10.80
7	do		4.30
9	L. O. Howard	Expenses, June, 1894	23.00
10	C. Schneider	Trowels	1.50
14	Hanson Bros.	Electros	1.50
17	D. W. Coquillett	Traveling expenses, June, 1894	7.25
21	Sanford and St. Petersburg R. Co.	Transportation, H. G. Hubbard, June, 1894	8.10
23	Pennsylvania R. R. Co	do	22.65
27	Wilmarth & Edmondson	Jars, etc	1.37
Aug. 2	Goodyear Rubber Co	Tubing	6.30
14	Henry G. Hubbard	Salary, June 16 to 30, 1894	74.18
14	do	Traveling expenses, June 23 to 30, 1894	19.45
30	Jacksonville, Tampa and Key West Rwy Co.	Transportation, Hubbard, in June, 1894	1.80
	Total supplemental		265.60

## RECAPITULATION.

Total first quarter	\$4,085.73
Total second quarter	4,563.49
Total third quarter	4,236.22
Total fourth quarter	3,048.32
Total supplemental	265.60
Total	16,201.36

## ORNITHOLOGY AND MAMMALOLOGY.

Date.	Name.	Nature of payment.	Total.
1893.			
July 20	C. C. Chambers	Traps, etc	\$27.41
21	Charles H. Marsh	Mammals	3.00
21	Big Tom Wilson	do	4.00
21	T. S. Powell	do	8.00
25	Pedro Falavera	do	49.73
27	Elmer R. Edson	do	29.70
31	A. K. Fisher	Expenses in July	28.70
31	W. B. Barrows et al	Salaries for July	373.50
Aug. 2	Vernon Bailey	Express charges on tents, etc	36.30
2	E. W. Nelson	Salary for July	151.60
2	Clayton E. Stone	Crows' stomachs	1.05
4	J. Ellis McLellan	Salary, July 25 to 31	22.58
4	J. Alden Loring	Salary for July	101.10
4	Vernon Bailey	do	150.00
5	A. G. Wetherby	Mammals	13.80
7	A. K. Fisher	Expenses in July	64.25



*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## ORNITHOLOGY AND MAMMALOGY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Aug. 11	F. F. Crevecoeur .....	Birds' stomachs .....	\$68.90
14	F. Stephens .....	Mammals .....	3.75
14	H. Alfred Steffen .....	Alcohol .....	.50
16	B. G. True .....	do .....	.40
16	F. H. Sturzenacker .....	Specimens of squirrels .....	2.00
22	Burlington and Missouri River Railroad in Nebraska.	Transportation, Fisher, July .....	22.34
22	Adams Express Co .....	Transportation, July .....	8.80
24	E. A. Goldman .....	Salary for July .....	75.80
24	A. K. Fisher .....	Expenses in August .....	41.75
28	United States Express Co .....	Transportation, July .....	61.35
31	J. Ellis McLellan .....	Salary for August .....	100.00
31	J. Alden Loring .....	do .....	101.10
31	Vernon Bailey .....	do .....	150.00
31	W. B. Barrows et al .....	Salaries .....	373.50
Sept. 2	Trautmann, Bailey & Blampey .....	Plates for Bulletin 5 .....	100.00
2	M. A. Tappan .....	Wads and shells .....	5.10
4	Northern Pacific Railroad Co .....	Transportation, Fisher, July .....	14.40
5	Ernest E. Thompson .....	Colored drawings of mammals .....	50.00
5	Fred W. Koch .....	Salary, July 10 to 16 .....	22.58
7	W. E. Traill .....	Mammals .....	35.25
12	E. A. Goldman .....	Salary for August .....	75.80
12	E. W. Nelson .....	do .....	151.60
13	C. Hart Merriam .....	Traveling expenses, New York, Utah, etc., August .....	35.25
16	do .....	Expenses in September .....	45.75
16	Woodward & Lothrop .....	Battling .....	3.60
27	United States Express Co .....	Transportation, August .....	18.75
30	W. B. Barrows et al .....	Salaries for September .....	371.18
	Total first quarter .....		3,004.17
Oct. 2	Geo. R. Seiffert .....	Type cleaners .....	5.00
2	Northern Pacific R. R. Co .....	Transportation, Fisher, July and August, 1893.	10.90
3	E. A. Goldman .....	Salary for September .....	73.40
3	E. W. Nelson .....	do .....	146.80
3	Vernon Bailey .....	do .....	150.00
4	J. Alden Loring .....	do .....	97.80
7	Chesapeake & Potomac Tel. Co .....	Telephone rent, July 1 to Sept. 30 .....	15.00
9	Z. D. Gilman .....	Forceps .....	1.50
10	Wm. C. Avery .....	Mammals .....	3.00
10	Charles H. Marsh .....	do .....	11.50
10	Elmer R. Edson .....	do .....	13.05
11	The Norris Peters Co .....	Photolithographing maps .....	75.00
13	Adams Express Co .....	Transportation, August .....	1.40
16	C. Hart Merriam .....	Expense in September and October .....	124.75
17	W. K. Fisher .....	Mammals .....	9.70
17	United States Express Co .....	Transportation, September .....	30.70
17	J. Ellis McLellan .....	Salary for September .....	100.00
17	New York Central and Hudson River R. R. Co .....	Transportation, Merriam, August .....	17.18
17	Baltimore and Ohio R. R. Co .....	do .....	11.50
20	Wm. C. Avery .....	Mammals .....	4.00
24	Elmer R. Edson .....	do .....	2.75
24	John Fannin .....	do .....	8.00
31	J. Alden Loring .....	Salary for October .....	101.00
31	J. Ellis McLellan .....	do .....	100.00
31	E. A. Goldman .....	do .....	75.80
31	Chas. Albright .....	Mammal .....	2.50
31	Vernon Bailey .....	Salary for October .....	150.00
31	Great Northern Rwy. Co .....	Transportation, Fisher, August .....	7.65
31	W. B. Barrows et al .....	Salaries for October .....	390.50
Nov. 1	Wyckoff, Seamans & Benedict .....	Copyholder and repairs to typewriter .....	5.11
3	E. W. Nelson .....	Salary for October .....	151.60
17	New York Central and Hudson River R. R. Co .....	Transportation, Merriam, October .....	5.00
18	Z. D. Gilman .....	Arsenic .....	1.80
18	G. H. Ragsdale .....	Mammals .....	.75
20	Geo. W. Knox Express .....	Freight and dravage, October .....	1.34
22	Chicago, Milwaukee and St. Paul Rwy. Co .....	Transportation, Fisher, August .....	31.65
22	do .....	do .....	10.97
24	Michigan Central R. R. Co .....	Transportation, Merriam, October .....	17.18
30	W. B. Barrows et al .....	Salaries for November .....	379.40
Dec. 1	E. A. Goldman .....	Salary, Nov. 1 to 15 .....	36.68
1	Charles H. Marsh .....	Mammals .....	16.25
1	Charles Parker .....	Photographic work .....	11.00
2	Wm. C. Avery .....	Mammals .....	9.75
2	E. A. Goldman .....	Salary, Nov. 16 to 30 .....	50.00

Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## ORNITHOLOGY AND MAMMALOGY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Dec. 4	Vernon Bailey	Salary for November	\$150.00
5	C. Hart Merriam	Expenses, trip to Boston and return, November, 1893.	30.80
6	F. P. May & Co	Wire	3.60
6	Adams Express Co.	Transportation in October	3.70
8	J. Alden Loring	Salary for November	97.80
9	E. W. Nelson	do	146.80
12	G. Onderdonk	Gopher traps	3.00
14	A. G. Wetherby	Mammals	17.00
18	Woodward & Lothrop	Cotton batting	4.50
19	W. E. Traill	Mammals	25.19
19	J. Ellis McLellan	Salary, November, 1893	100.00
19	United States Express Co	Transportation, November, 1893	12.00
21	Z. D. Gilman	Vials and corks	29.25
26	Adams Express Co	Transportation, November, 1893	16.65
30	J. Alden Loring	Salary for December	101.10
30	E. W. Nelson	do	151.60
30	E. A. Goldman	do	100.00
30	W. G. W. Leizear	Birds' stomachs	4.00
30	W. B. Barrows et al.	Salaries for December	390.30
	Total second quarter		3,856.05
1894.			
Jan. 3	Vernon Bailey	Salary for December, 1893	150.00
3	R. Brown	Mammals	23.97
5	Wm. C. Avery	do	5.00
5	Z. D. Gilman	Chemicals	10.80
5	F. P. May & Co	Mouse traps	45.00
11	C. C. Chambers	Traps, etc	15.80
11	R. M. Moore	Mammals	10.00
11	R. Brown	do	27.91
16	J. Ellis McLellan	Salary, December, 1893	100.00
18	United States Express Co.	Transportation, October, 1893	9.65
18	do	Transportation, December, 1893	16.95
18	M. Abbott Frazar	Mammals	22.00
23	Adams Express Co.	Transportation, December, 1893	2.45
25	F. B. Barnard	Mammals	16.00
31	W. B. Barrows et al.	Salaries for January, 1894	397.90
Feb. 1	E. A. Goldman	Salary for January, 1894	100.00
1	E. W. Nelson	do	155.00
1	Vernon Bailey	do	150.00
9	J. Alden Loring	do	103.30
13	Fredk. H. Fowler	Mammal	10.00
14	J. Ellis McLellan	Salary for January	100.00
17	J. L. Hayes	Mammals	1.00
21	Adams Express Co.	Transportation in January	6.75
23	United States Express Co	do	10.75
26	B. F. Bush	Mammal	1.00
26	Will C. Colt	Birds' stomachs	.85
27	Thos. B. Wilson	Mammal	2.00
28	J. Alden Loring	Salary for February, 1894	93.40
28	E. A. Goldman	do	100.00
28	E. W. Nelson	do	140.00
28	Vernon Bailey	do	150.00
28	W. B. Barrows et al.	do	333.80
Mar. 3	F. B. Barnard	Mammals	16.00
3	Chas. D. Woodin	Mammal	6.00
6	H. Alfred Steffan	Alcohol	.50
6	Chas. P. Rowley	Salary for February, 1894	100.00
8	J. Ellis McLellan	do	100.00
8	A. E. Colburn	Mammals	17.00
10	C. M. Wegstein	do	6.10
13	F. F. Crevecoeur	Birds' stomachs and mammals	6.10
13	New York Photogravure Co.	Photogravure reproductions	350.75
14	Z. D. Gilman	Turpentine and sand	1.25
16	Chas. H. Marsh	Mammals	6.00
16	Geo. W. Knox Express	Freight on case printed matter	1.19
19	Amon R. Shearer	Birds' stomachs	5.65
20	Burlington and Missouri River R. R. in Nebraska.	Transportation Merriam, September, 1893.	25.95
20	F. P. May & Co	Linen thread, etc	7.75
21	Chicago, Rock Island and Pacific Rwy. Co.	Transportation, Merriam, August, 1893	7.25
21	do	Transportation, Fisher, July, 1893	2.09
26	L. R. Trembly	Picture molding	3.90
27	N. V. Randolph & Co.	Pasteboard boxes	6.00
31	E. W. Nelson	Salary for March, 1894	155.00
31	E. A. Goldman	do	100.00
31	W. B. Barrows et al.	Salaries for March, 1894	320.60
	Total third quarter		3,557.76

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

ORNITHOLOGY AND MAMMALOGY—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Apr. 2	J. Ellis McLellan .....	Salary for March, 1894 .....	\$100.00
2	F. Stephens .....	Mammals .....	49.70
2	F. P. May & Co. ....	Hooks, etc .....	3.15
2	Vernon Bailey .....	Salary for March, 1894 .....	150.00
3	Houston and Texas Central R. R. Co. ....	Transportation, Loring, March, 1894 .....	2.20
3	Chas. P. Rowley .....	Salary for March, 1894 .....	100.00
7	A. E. Colburn .....	Mammals .....	54.65
7	F. P. May & Co. ....	Galvanized wire .....	2.00
7	B. H. Dutcher .....	Salary, March 15 to 31, 1894 .....	54.84
7	J. Alden Loring .....	Salary for March, 1894 .....	103.30
11	Chas. B. Hudson .....	Illustration of gopher .....	10.00
13	A. G. Wetherby .....	Mammals .....	25.05
13	F. Stephens .....	do .....	33.55
17	L. G. Jameson .....	do .....	4.80
17	San Antonio and Aransas Pass Rwy. Co. ....	Transportation, J. A. Loring, March, 1894 ..	6.90
19	Willard E. Treat .....	Mammals .....	9.75
21	Henry C. Bailey .....	do .....	1.50
21	A. G. Clarke .....	do .....	4.00
23	International and Great Northern R. R. Co. ....	Transportation, J. A. Loring, March, 1894 ..	1.65
24	R. M. Munroe .....	Mammal .....	3.00
24	C. M. Wegstein .....	Mammals .....	4.50
27	Charles Barber .....	Mammal .....	1.00
28	George Leonard .....	Coyote skulls .....	5.00
30	Chas. P. Rowley .....	Salary for April, 1894 .....	100.00
30	J. Alden Loring .....	do .....	98.90
30	E. A. Goldman .....	do .....	100.00
30	B. H. Dutcher .....	do .....	100.00
30	J. Ellis McLellan .....	do .....	100.00
30	E. W. Nelson .....	do .....	148.30
30	Jas. A. Connellan et al. ....	Salaries .....	180.86
May 1	F. P. May & Co. ....	Brushes .....	1.65
1	Vernon Bailey .....	Salary for April, 1894 .....	150.00
2	Southern Pacific Co. (Atlantic system). ....	Transportation, Loring, February, 1894 ..	25.26
5	Chas. D. Woodin .....	Mammals .....	3.62
10	Gulf, Colorado and Santa Fe Rwy. Co. ....	Transportation, Loring, March, 1894 .....	1.00
10	H. A. Preble .....	Mammals .....	23.10
16	A. K. Fisher .....	Expenses, May, 1894 .....	38.80
16	C. C. Chambers .....	Steel traps .....	47.39
29	Wm. Kraft .....	Microscope stand, etc .....	49.75
31	Jas. A. Connellan et al. ....	Salaries for May .....	206.80
June 1	B. H. Dutcher .....	Salary for May .....	100.00
1	J. Ellis McLellan .....	do .....	100.00
1	J. Alden Loring .....	do .....	102.20
1	Vernon Bailey .....	do .....	150.00
1	D. J. Bretherton .....	Mammals .....	36.00
1	C. S. Brimley .....	do .....	4.00
2	E. A. Goldman .....	Salary for May, 1894 .....	100.00
2	E. W. Nelson .....	do .....	153.40
2	Easton & Rupp .....	Cards .....	7.25
4	International and Great Northern R. R. Co. ....	Transportation, Loring, May, 1894 .....	1.40
5	Chas. P. Rowley .....	Salary for May, 1894 .....	100.00
8	Z. D. Gilman .....	Vials and corks .....	22.60
9	A. K. Fisher .....	Expenses in May .....	7.75
9	Harry C. Jones .....	Photo-electro types .....	101.55
13	Mortimer Jesurum .....	Mammals .....	13.00
19	C. M. Wegstein .....	do .....	10.75
19	F. Stephens .....	do .....	75.95
19	George Leonard .....	do .....	3.90
21	Chas. A. Allen .....	do .....	5.00
25	Woodward & Lothrop .....	Cotton batting, etc .....	6.52
30	B. H. Dutcher .....	Salary for June, 1894 .....	100.00
30	E. A. Goldman .....	do .....	100.00
30	J. Alden Loring .....	do .....	98.90
30	E. W. Nelson .....	do .....	148.30
30	Jas. A. Connellan et al. ....	Salaries for June, 1894 .....	201.00
	Total fourth quarter .....		3,856.22
	Supplemental.		
July 2	Baltimore and Ohio R. R. Co. ....	Transportation, Fisher, May, 1894 .....	45.20
2	J. Ellis McLellan .....	Salary, June, 1894 .....	100.00
2	Vernon Bailey .....	do .....	150.00
5	Miles G. Morris .....	Bear skull .....	2.00



*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## ORNITHOLOGY AND MAMMALOGY—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1894.			
July 6	Z. D. Gilman	Arsenic	\$1.80
10	F. P. May & Co.	Traps	40.50
10	A. K. Fisher	Expenses, June, 1894	13.00
12	A. E. McConnell	Drawings	40.00
13	Texas and Pacific Rwy. Co.	Transportation, Fisher, May, 1894	11.60
13	Burlington and Missouri River R. R. in Nebraska	Transportation, Loring, June, 1894	6.50
27	F. B. Barnard	Mammals	12.00
27	Geo. A. Coleman	do	1.50
31	F. Stephens	do	32.80
Aug. 1	Great Northern Rwy. Co.	Transportation, Loring, June, 1894	14.80
9	Berthold Meisel	Copies of plates for North American Fauna, No. 8.	337.00
16	George Leonard	Mammal	5.00
16	Atchison, Topeka and Santa Fe R. R. Co.	Transportation, Fisher, June 18, 1894	1.90
16	Northern Pacific R. R. Co.	Transportation, Loring, June 18, 1894	11.70
16	A. G. Weatherby	Mammals	18.10
16	Will C. Colt	Birds' stomachs	1.00
18	Bernard J. Bretherton	Mammals	23.00
18	Transportation orders		126.10
	Total supplemental		995.50

## RECAPITULATION.

Total first quarter	\$3,004.17
Total second quarter	3,856.05
Total third quarter	3,537.76
Total fourth quarter	3,856.22
Total supplemental	995.50
Total	15,269.70

## POMOLOGICAL INFORMATION.

Date.	Name.	Nature of payment.	Total.
1893.			
July 31	W. P. Corsa et al	Salaries	\$341.40
Aug. 8	T. T. Lyon	Salary	75.80
26	John C. Parker	Paper	38.50
31	W. P. Corsa et al	Salaries	272.95
Sept. 13	T. T. Lyon	Salary and expenses	86.05
30	W. P. Corsa et al	Salaries	295.71
	Total first quarter		1,110.41
Oct. 2	Geo. R. Seiffert	Type cleaner	2.50
6	Geo. Ryneal, jr	Artists' materials, etc	12.86
7	T. T. Lyon	Salary	73.40
9	Z. D. Gilman	Carbon bisulphide, etc.	1.50
17	L. H. Hopkins	Hardware, etc	11.13
31	W. P. Corsa et al	Salaries	251.60
Nov. 4	T. T. Lyon	Salary	75.80
6	Geo. Ryneal, jr	Wax	1.80
18	Z. D. Gilman	Gun cotton	3.05
30	W. P. Corsa et al	Salaries	246.80
Dec. 6	T. T. Lyon	Salary	73.40
26	Adams Express Co	Transportation	1.60
30	W. P. Corsa et al	Salaries	251.60
	Total second quarter		1,007.04
1894.			
Jan. 3	T. T. Lyon	Salary	75.80
5	Geo. Ryneal, jr	Artists' materials	2.42
5	Geo. W. Knox Express	Freight and drayage	.85
31	W. P. Corsa et al	Salaries	255.00
Feb. 6	Geo. Ryneal, jr	Paints, etc	3.49
7	T. T. Lyon	Salary	77.50
17	E. Morrison Paper Co	Paper	1.20
21	do	Binder's board	.50
21	Adams Express Co	Transportation	5.40
23	United States Express Co	do	3.80
27	The Royal Horticultural Society	Fig cuttings, etc	5.97
28	W. P. Corsa et al	Salaries	240.00

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## POMOLOGICAL INFORMATION—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Mar. 2	John C. Parker.....	Guide cards.....	\$10.00
6	T. T. Lyon.....	Traveling expenses.....	84.85
10	Theodor Leonhard.....	Wax.....	26.12
14	Pennsylvania R. R. Co.....	Transportation.....	17.00
20	Easton & Rupp.....	Index cards.....	9.00
23	Ellwanger & Barry.....	Fruit scions.....	12.75
31	W. P. Corsa et al.....	Salaries.....	251.70
	Total third quarter.....		1,083.35
Apr. 6	Geo. Ryneal, jr.....	Glycerine, etc.....	4.15
7	T. T. Lyon.....	Salary.....	77.50
12	Grand Rapids & Ind. R. R. Co.....	Transportation.....	16.40
27	Ellwanger & Barry.....	Express charges.....	3.85
30	W. P. Corsa et al.....	Salaries.....	235.98
May 5	T. T. Lyon.....	Salary.....	74.20
21	Geo. Ryneal, jr.....	Cloth, wax, etc.....	3.80
31	W. P. Corsa et al.....	Salaries.....	232.87
June 2	Easton & Rupp.....	Cards.....	6.25
7	T. T. Lyon.....	Salary.....	76.60
30	W. P. Corsa et al.....	Salaries.....	237.96
	Total fourth quarter.....		969.56
	Supplemental.		
July 7	T. T. Lyon.....	Salary.....	74.20
10	Z. D. Gilman.....	Gelatine, etc.....	1.30
16	Geo. Ryneal, jr.....	Plaster, etc.....	3.13
	Total supplemental.....		78.63

## RECAPITULATION.

Total first quarter.....	\$1,110.41
Total second quarter.....	1,007.04
Total third quarter.....	1,083.35
Total fourth quarter.....	969.56
Total supplemental.....	78.63
Total.....	4,248.99

## MICROSCOPICAL INVESTIGATIONS.

Date.	Name.	Nature of payment.	Total.
1893.			
July 24	L. R. Trembly.....	Molding.....	\$4.32
Aug. 4	Geo. Ryneal, jr.....	Paint, etc.....	2.50
7	Chas. A. Muddiman.....	Gas stove.....	2.40
7	W. H. Butler.....	Glass.....	10.55
11	L. R. Trembly.....	Molding.....	8.64
Sept. 7	Z. D. Gilman.....	Jars, etc.....	50.10
7	do.....	Chaulmugra oil.....	3.50
19	Annie C. Bell, executrix.....	Negatives.....	50.00
28	Ernest Betz.....	Galvanized iron, etc.....	1.20
	Total first quarter.....		133.21
Oct. 6	Geo. Ryneal, jr.....	Artists' materials.....	8.94
9	Thomas Taylor.....	Expenses.....	59.72
13	Adams Express Co.....	Transportation.....	17.30
18	Annie C. Bell, executrix.....	Negatives.....	20.00
23	Stecher Lithographic Co.....	Plates.....	95.00
Nov. 1	Wyckoff, Seamans & Benedict.....	Repairs to typewriter.....	.50
14	Annie C. Bell, executrix.....	Negatives.....	30.00
18	Bausch & Lomb Optical Co.....	Slips.....	3.94
28	W. H. Butler.....	Glass, etc.....	19.48
Dec. 11	Bausch & Lomb Optical Co.....	Mailing cases.....	.54
12	do.....	Mailing-case centers.....	6.48
14	Chas. Fisher.....	Repairing knives.....	2.45
14	Queen & Co., Incorporated.....	Dividers.....	1.50
16	do.....	Micrometers.....	4.90
21	Z. D. Gilman.....	Silver nitrate, etc.....	6.34
26	Adams Express Co.....	Transportation.....	2.10
	Total second quarter.....		279.19



*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## MICROSCOPICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Jan. 5	Z. D. Gilman	Oil	\$3.50
18	United States Express Co	Transportation	1.35
18	do	do	1.00
18	James T. Hunter	Negatives	20.00
25	Wyckoff, Seamans & Benedict	Adjusting typewriter	.50
Feb. 1	Bausch & Lomb Optical Co	Mailing boxes	9.00
6	Z. D. Gilman	Shades	15.69
7	Bausch & Lomb Optical Co	Slips	10.13
8	James T. Hunter	Negatives	20.00
10	do	do	20.00
21	Adams Express Co	Transportation	2.00
24	E. J. Pullman	Cardboard	1.30
Mar 3	J. Baumgarten & Sons	Stamps	.50
6	E. F. Bigelow	Labels	1.00
7	James T. Hunter	Negatives	20.67
14	Z. D. Gilman	Bottles, ammonia, etc.	11.50
19	Thos. W. Smith	Sawdust	.88
23	L. R. Trembly	Molding	5.00
	Total third quarter		144.42
Apr. 3	Moss Engraving Co	2 reproductions, medical	2.00
6	Z. D. Gilman	Silver nitrate, etc.	3.27
24	Office Specialty Manufacturing Co.	Cabinet cases	10.00
28	Moss Engraving Co.	Plate	3.50
May 1	Sackett & Wilhelms Lithographic Co.	Plates	275.00
15	Z. D. Gilman	Paints	1.60
June 7	Ernest Betz	Faucet, etc	3.55
	Total fourth quarter		298.92
	Supplemental.		
July 6	Z. D. Gilman	Chemicals, etc.	31.81
19	James T. Hunter	Negatives	20.00
Aug. 3	Sackett & Wilhelms Lithographic Co.	Lithographic copies	210.00
	Total supplemental		261.81

## RECAPITULATION.

Total first quarter	\$133.21
Total second quarter	279.19
Total third quarter	144.42
Total fourth quarter	298.92
Total supplemental	261.81
Total	1,117.55

## VEGETABLE PATHOLOGY.

Date.	Name.	Nature of payment.	Total.
1893.			
July 20	W. S. Powell & Co	Ammonia	\$7.00
31	E. F. Smith et al	Salaries	717.50
Aug. 2	W. T. Swingle	Salary	117.90
2	H. J. Webber	do	101.10
3	J. B. Ellis	do	25.00
4	W. S. Powell & Co	Potassium	1.96
5	H. J. Webber	Expenses	3.45
5	W. T. Swingle	do	7.66
7	M. B. Waite	do	30.03
7	P. H. Dorsett	do	7.79
19	M. B. Waite	do	13.25
30	Hanson Bros	Electrotype cuts	12.00
31	W. T. Swingle	Salary	117.90
31	H. J. Webber	do	101.10
31	E. F. Smith et al	Salaries	724.20
Sept. 4	J. B. Ellis	Salary	25.00
7	B. T. Galloway	Expenses	62.59
7	E. J. Pullman	Chemicals, etc	1.88

Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## VEGETABLE PATHOLOGY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Sept. 12	Geo. W. Knox Express.....	Freight and drayage.....	\$1. 65
15	H. J. Webber.....	Expenses.....	25. 01
15	E. J. Pullman.....	Plates.....	. 80
19	W. B. Pierce.....	Salary.....	150. 00
19	W. D. Kimball.....	Refrigerator.....	12. 00
27	United States Express Co.....	Transportation.....	. 40
30	E. F. Smith et al.....	Salaries.....	687. 80
	Total first quarter.....		2, 955. 17
Oct. 2	W. S. McClelland.....	Ice.....	2. 70
3	W. T. Swingle.....	Salary.....	114. 20
3	H. J. Webber.....	do.....	97. 80
3	B. T. Galloway.....	Traveling expenses.....	22. 03
4	J. B. Ellis.....	Salary.....	25. 00
6	Geo. K. Seiffert.....	Type cleaners.....	5. 00
10	P. H. Dorsett.....	Expenses.....	9. 95
11	N. B. Pierce.....	Salary.....	150. 00
11	J. B. Chamberlain.....	Plates.....	2. 90
11	John C. Parker.....	Repairing type wheel.....	3. 00
12	B. T. Galloway.....	Expenses.....	11. 10
13	H. J. Webber.....	do.....	19. 51
16	Erwin F. Smith.....	Traveling expenses.....	11. 45
20	Nath. Shatswell.....	Salary.....	24. 46
28	Wm. E. Clark & Co.....	Tile.....	1. 75
28	J. B. Ellis.....	North American Fungi.....	6. 00
31	W. T. Swingle.....	Expenses.....	32. 75
31	H. J. Webber.....	Salary.....	101. 10
31	D. G. Fairchild.....	Expenses.....	13. 50
31	E. F. Smith et al.....	Salaries.....	699. 79
Nov. 1	Wyckoff, Seamans & Benedict.....	Repairs to typewriter.....	. 50
4	E. Morrison Paper Co.....	Herbarium paper.....	11. 00
4	J. B. Ellis.....	Salary.....	25. 00
6	P. H. Dorsett.....	Expenses.....	8. 55
8	Robt. Leitch & Sons.....	Repairs, etc.....	12. 39
14	B. T. Galloway.....	Expenses.....	10. 31
17	Eimer & Amend.....	Glass dishes.....	3. 12
17	H. J. Webber.....	Expenses.....	11. 16
17	Erwin F. Smith.....	do.....	36. 16
17	M. B. Waite.....	do.....	13. 50
21	J. B. Chamberlain.....	Chemicals, etc.....	4. 95
22	W. T. Swingle.....	Salary.....	117. 90
30	E. F. Smith et al.....	Salaries.....	766. 82
Dec. 1	H. J. Webber.....	Salary.....	97. 80
1	Wm. H. Ernest.....	Flower pots.....	6. 50
2	J. B. Ellis.....	Salary.....	25. 00
2	Newton B. Pierce.....	do.....	150. 00
2	do.....	do.....	150. 00
2	do.....	Expenses.....	8. 55
2	do.....	do.....	7. 85
2	do.....	do.....	2. 95
2	W. T. Swingle.....	Salary.....	114. 20
4	J. B. Chamberlain.....	Photographic supplies.....	19. 22
4	do.....	do.....	3. 30
6	Adams Express Co.....	Transportation.....	1. 90
9	Hanson Bros.....	Electros.....	1. 75
11	Z. D. Gilman.....	Chemicals, etc.....	14. 40
12	Eimer & Amend.....	Platinum wire.....	1. 68
14	H. J. Webber.....	Expenses.....	5. 81
16	Queen & Co., Incorporated.....	Microtome, etc.....	121. 85
19	Bausch & Lomb Optical Co.....	Repairing shutter.....	1. 00
19	United States Express Co.....	Transportation.....	8. 00
19	Z. D. Gilman.....	Tubes, etc.....	28. 60
26	N. B. Pierce.....	Salary.....	150. 00
26	F. P. Nickey.....	Hose.....	5. 25
30	H. J. Webber.....	Salary.....	101. 10
30	W. T. Swingle.....	Salary.....	117. 90
30	Geo. B. Forrester.....	Fertilizer.....	40. 00
30	Henry H. Brown.....	Bottles, glasses, etc.....	13. 70
30	E. F. Smith et al.....	Salaries.....	808. 40
	Total second quarter.....		4, 381. 86
1894.			
Jan. 3	C. L. Shear.....	Book.....	6. 00
4	J. B. Ellis.....	Salary.....	25. 00
5	W. T. Swingle.....	Expenses.....	45. 70
5	H. J. Webber.....	do.....	12. 62
11	The Nixon Nozzle and Machine Co.....	Pump.....	12. 00

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## VEGETABLE PATHOLOGY—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Jan. 11	P. H. Dorsett	Expenses	\$4.95
11	B. T. Galloway	do	11.05
17	J. B. Chamberlain	Plates	9.77
18	United States Express Co	Transportation	1.60
20	A. B. Aber	Stoves, etc	13.10
20	do	Meal	8.40
20	L. N. Herrick	Fertilizer	7.50
22	E. J. Pullman	Plates	3.70
23	Adams Express Co	Transportation	1.25
30	J. B. Chamberlain	Photographic supplies	7.35
31	E. F. Smith et al	Salaries	826.70
Feb. 1	Queen & Co., Incorporated	Thermometer	5.10
1	H. J. Webber	Salary	103.30
1	W. T. Swingle	do	120.60
3	N. V. Randolph & Co	Pamphlet covers	11.50
3	J. B. Ellis	Salary	25.00
6	Z. D. Gilman	Chemicals	2.00
9	Eimer & Amend	Thermostats, etc	6.10
10	W. S. Powell & Co	Soap, ammonia, etc	19.00
13	Bausch & Lomb Optical Co	Lens, etc	46.13
13	The Nichols Chemical Co	Blue vitriol	15.00
14	W. T. Swingle	Expenses	17.16
19	Bausch & Lomb Optical Co	Circles	2.45
20	H. J. Webber	Expenses	19.66
21	Adams Express Co	Transportation	7.50
23	W. S. Powell & Co	Fertilizer	35.30
23	W. H. Lowdermilk & Co	Books	9.00
23	United States Express Co	Transportation	12.35
26	John A. Power & Co	Greenhouse	102.47
28	H. J. Webber	Salary	93.40
28	W. T. Swingle	Salary	108.80
28	E. F. Smith et al	Salaries	756.60
Mar. 1	J. B. Chamberlain	Photographic apparatus	4.10
2	Gundlach Optical Co	Globe magnifier	9.00
2	Bausch & Lomb Optical Co	Achromatic triplet	4.50
3	Powers & Weightman	Potash, etc	4.92
3	J. B. Ellis	Salary	25.00
3	Ulrico Hoeppli	Books	6.76
3	P. H. Dorsett	Expenses	6.75
6	Church & Stephenson	Lumber	8.54
6	W. W. Rawson	Soil	3.00
6	Eimer & Amend	Formalin	1.50
8	Easton & Rupp	Shipping tags	4.25
9	Daniel Murray	Labor	13.39
13	Levytype Co	Photo-engravings	60.00
14	Eimer & Amend	Barium sulphide, etc	3.45
14	John Carbutt	Plates	2.43
14	Rochester Optical Co	Camera, etc	62.95
14	Z. D. Gilman	Thermometers, etc	26.10
16	Geo. W. Knox Express	Freight and drayage	6.54
21	Levytype Co	Correcting proofs	4.00
23	F. C. Keys	Manure	3.00
23	R. Shorrock	Reproducing photographs on wood	11.00
26	Albinson & Chase	Copper paraffin bath	31.10
31	E. F. Smith et al	Salaries	950.00
	Total third quarter		3,767.39
Apr. 2	Julien P. Friez	Tubes	13.75
2	H. J. Webber	Salary	103.30
2	do	Expenses	21.00
2	Eimer & Amend	Glass plates, etc	20.95
2	do	Razor	6.00
3	R. Shorrock	Photograph	1.00
3	Queen & Co., Incorporated	Microtome knives	24.75
3	Thomas Woodason	Bellows	2.00
4	P. H. Dorsett	Expenses	24.10
6	Z. D. Gilman	Soda, etc	50.95
9	C. F. Hittinger	Labor	9.10
9	do	do	15.00
9	J. B. Ellis	Salary	25.00
11	Bausch & Lomb Optical Co	Microtome knives, etc	17.63
12	E. J. Pullman	Photographic supplies	1.95
13	Daniel Murray	Salary	25.00
13	H. J. Webber	Expenses	25.00
13	Arthur Johnston	Servises	5.00
13	do	do	15.00
13	do	do	8.00
13	L. S. Chittenden	Flower pots	11.05
13	Newton B. Fierce	Salary	150.00



Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## VEGETABLE PATHOLOGY—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Apr. 13	Newton B. Pierce	Salary	\$150.00
13	do	do	150.00
13	do	do	150.00
13	do	Expenses	8.50
13	do	do	18.50
13	do	do	43.90
13	do	do	20.10
13	Woodward & Lothrop	Felting	8.00
14	Amanda A. Newton	Labor	21.76
18	New York Central and Hudson River R. R. Co.	Transportation	7.96
18	John C. Parker	Library numbers and letters	2.40
19	W. T. Swingle	Salary	120.60
23	Eimer & Amend	Cylinders, etc.	14.70
24	E. J. Pullman	Photographic supplies	9.25
27	W. T. Swingle	Expenses	46.80
30	do	Salary	115.40
30	H. G. Webber	do	98.90
30	E. F. Smith et al	Salaries	890.10
May 1	Robt. Leitch & Sons	Repairing pumps, etc.	16.27
4	J. B. Ellis	Salary	25.00
4	do	Book	6.00
4	Wm. H. Ernest	Flower pots	7.50
4	P. H. Dorsett	Expenses	8.38
10	Daniel Murray	Labor	25.00
10	Selover & Atwood	Pear trees and packing	27.94
10	E. J. Pullman	Photographic plates	6.30
14	Eimer & Amend	Weights	10.67
14	Powell Fertilizer and Chemical Co.	Fertilizer	4.35
14	C. F. Hittinger	Labor	15.00
16	N. B. Pierce	Salary	150.00
21	L. N. Herrick	Gasoline	19.92
21	H. J. Webber	Expenses	35.05
21	do	do	24.90
24	R. Shorrock	Photographing on wood, etc	5.96
24	Albinson & Chase	Hose, etc	19.00
28	Wm. E. Clark & Co	Potatoes	1.13
29	J. B. Chamberlain	Photograph plates	8.15
29	Henry H. Brown	Glass mugs, etc	13.77
29	B. T. Galloway	Expenses	8.00
31	E. F. Smith et al	Salaries	919.80
June 2	Levytype Co	Photo-engraving	9.00
2	Henry H. Brown	Prints	4.86
2	H. J. Weber	Salary	102.20
5	J. B. Ellis	do	25.00
5	New York and New England R.R. Co.	Transportations	5.20
7	Levytype Co	Illustration	12.00
7	Library Bureau	Binders	4.65
8	The Springer Torsion Balance Co.	Scales	15.50
8	Z. D. Gilman	Supplies	26.96
9	Crosscup & West Engraving Co.	Engraving	40.50
13	Henry H. Brown	Photographic supplies	8.21
13	do	do	4.93
14	H. J. Webber	Expenses	19.61
19	W. S. McClelland	Ice	3.00
19	Daniel Murray	Salary	11.29
19	N. B. Pierce	do	150.00
19	do	Expenses	13.54
19	W. T. Swingle	Salary	119.20
19	do	Expenses	60.92
21	Levytype Co	Plates	56.00
21	Ernest Betz	Condenser	12.00
25	Baltimore and Ohio R. R. Co	Transportation	11.50
25	A. Ziehl	Pasteboard	1.20
25	Z. D. Gilman	Balance, etc	121.96
30	E. F. Smith et al	Salaries	890.10
Total fourth quarter			5,539.82
Supplemental.			
July 2	Levytype Co	Plates	10.00
2	W. T. Swingle	Salary	115.40
2	H. J. Webber	do	98.90
3	C. F. Hittinger	Labor	5.81
3	Gibson Bros	Note books	12.50
5	Bausch & Lomb Optical Co.	Slips, etc.	6.08
6	Z. D. Gilman	Chemicals, etc.	23.80

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## VEGETABLE PATHOLOGY—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1894.			
July 6	Z. D. Gilman .....	Chemicals .....	\$4.32
7	J. B. Ellis .....	Salary .....	25.00
13	Richards & Co., limited .....	Bulbs .....	2.65
14	Richmond and Danville R. R. Co. ....	Transportation .....	16.50
16	Otis Gates .....	Labor .....	18.33
19	Eimer & Amend. ....	Micro-spectro-photometer, etc. ....	237.75
23	do .....	Bottles, etc. ....	41.49
23	W. T. Swingle .....	Traveling expenses .....	12.85
25	N. B. Pierce .....	Salary .....	150.00
25	do .....	Expenses .....	40.41
27	A. G. Smith .....	Ice .....	5.40
Aug. 1	Schaffer & Budenberg .....	Planimeter .....	25.17
16	The Chesapeake and Ohio Rwy. Co. ....	Transportation .....	14.55
21	M. A. Carlton .....	Traveling expenses .....	3.00
Sept. 5	E. F. Smith .....	Expenses .....	2.00
5	do .....	do .....	6.25
5	Transportation orders .....	.....	36.50
	Total supplemental .....	.....	916.66

## RECAPITULATION.

Total first quarter .....	\$2,955.17
Total second quarter .....	4,381.86
Total third quarter .....	3,767.39
Total fourth quarter .....	5,539.82
Total supplemental .....	916.66
Total .....	17,560.90

## LABORATORY.

Date.	Name.	Nature of payment.	Total.
1893.			
July 27	Wm. H. Ernest .....	Flower pots .....	\$5.40
27	E. J. Pullman .....	Photographic work .....	.66
31	do .....	do .....	1.44
Aug. 4	Washington Gaslight Co. ....	Gas .....	18.25
7	United States Electric Light- ing Co. ....	Electric current .....	5.13
8	Z. D. Gilman .....	Platinum cylinders .....	73.68
16	Ernest Betz .....	Cylinders .....	28.50
17	Yost Writing Machine Co. ....	Repairs to typewriter .....	10.00
24	Woodward & Lothrop .....	Crash .....	21.31
25	Z. D. Gilman .....	Chemicals, etc. ....	315.16
Sept. 5	United States Electric Light- ing Co. ....	Electric current .....	4.79
7	Washington Gaslight Co. ....	Gas .....	12.00
9	Ernest Kübel .....	Repairing polariscope tubes .....	3.00
15	Wyckoff, Seamans & Benedict .....	Repairs to typewriter .....	2.41
16	Z. D. Gilman .....	Thermometers .....	10.80
16	do .....	Beakers, etc. ....	397.45
21	Ansonia Electric Co. ....	Electrical supplies .....	39.00
23	Baker & Adamson .....	Chemicals .....	21.36
27	United States Express Co. ....	Transportation .....	.75
	Total first quarter .....	.....	971.09
Oct. 4	United States Electric Light- ing Co. ....	Electric current .....	2.97
4	Geo. R. Seiffert .....	Type cleaner .....	2.50
5	Washington Gaslight Co. ....	Gas .....	9.25
7	Chesapeake and Potomac Tele- phone Co. ....	Telephone rent .....	15.00
17	John Dugan .....	Traveling expenses .....	31.25
Nov. 3	Washington Gaslight Co. ....	Gas .....	12.50
4	United States Electric Light- ing Co. ....	Electric current .....	4.37
16	John Dugan .....	Traveling expenses .....	45.50
Dec. 1	do .....	Expenses .....	15.00
1	United States Electric Light- ing Co. ....	Electric current .....	1.85
6	Washington Gaslight Co. ....	Gas .....	10.25
6	Adams Express Co. ....	Transportation .....	9.00
6	John C. Parker .....	Index cards .....	7.50

Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## LABORATORY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Dec. 9	John A. Power & Co.....	Lavatory.....	\$44.00
19	United States Express Co.....	Transportation.....	1.35
26	Adams Express Co.....	do.....	3.80
	Total second quarter.....		216.09
1894.			
Jan. 3	Royce & Marean.....	Electrical supplies.....	20.00
5	John A. Power & Co.....	Lavatory.....	30.60
8	United States Electric Light- ing Co.....	Electric current.....	2.90
11	Baker & Adamson.....	Chemicals.....	50.50
17	John Fegan.....	Alcohol.....	28.15
17	Z. D. Gilman.....	Flasks, etc.....	53.15
23	Adams Express Co.....	Transportation.....	1.25
26	Wilmarth & Edmonston.....	Filter tube.....	1.00
Feb. 2	Washington Gaslight Co.....	Gas.....	12.75
3	John A. Powers & Co.....	Plumbing.....	53.65
8	Washington Gaslight Co.....	Gas.....	13.00
9	United States Electric Light- ing Co.....	Electric current.....	2.57
17	James H. McGill.....	Cement.....	6.00
21	Adams Express Co.....	Transportation.....	3.00
24	Geo. W. Knox Express.....	Freight and drayage.....	3.16
Mar. 2	John C. Parker.....	Repairs to typewriter.....	12.50
2	Washington Gaslight Co.....	Gas.....	14.50
7	United States Electric Light- ing Co.....	Electric current.....	2.36
10	Thos. Somerville & Sons.....	Brass tubes.....	2.60
14	Z. D. Gilman.....	Chemicals, etc.....	32.99
	Total third quarter.....		346.63
Apr. 2	Royce & Marean.....	Batteries.....	4.50
5	Washington Gaslight Co.....	Gas.....	14.75
6	United States Electric Light- ing Co.....	Electric current.....	1.86
6	Z. D. Gilman.....	Rubber caps.....	3.20
7	John A. Power & Co.....	Plumbing.....	4.50
16	Thos. Somerville & Sons.....	Repairing.....	59.80
18	John C. Parker.....	Mimeograph paper.....	.90
May 3	Colt's Patent Fire Arms Manu- facturing Co.....	Repairing engine.....	5.95
4	Washington Gaslight Co.....	Gas.....	25.00
5	Geo. Ryneal, jr.....	Waste.....	2.13
5	Z. D. Gilman.....	Chemical apparatus.....	40.63
9	United States Electric Light- ing Co.....	Electric current.....	1.08
16	Eimer & Amend.....	Objective, etc.....	28.40
21	Wm. H. Ernest.....	Flower-pots.....	2.16
June 2	Pettit & Dripps.....	Repairing engine.....	10.00
4	Washington Gaslight Co.....	Gas.....	16.25
11	United States Electric Light- ing Co.....	Electric current.....	1.80
12	E. J. Pullman.....	Photographic supplies.....	3.15
16	Z. D. Gilman.....	Chemicals, etc.....	8.20
25	do.....	Colorimeter, etc.....	112.20
25	Z. D. Gilman.....	Tubing, etc.....	67.19
	Total fourth quarter.....		413.65
	Supplemental.		
July 3	Thos. Somerville & Sons.....	Repairing.....	4.60
6	Washington Gaslight Co.....	Gas.....	21.50
10	United States Electric Light- ing Co.....	Electric current.....	5.54
23	Scovill Manufacturing Co.....	Aluminium dishes.....	20.00
Aug. 8	Easton & Rupp.....	Paper.....	6.00
	Total supplemental.....		57.64

## RECAPITULATION.

Total first quarter.....	\$971.09
Total second quarter.....	216.09
Total third quarter.....	346.63
Total fourth quarter.....	413.65
Total supplemental.....	57.64
Total.....	2,005.10



Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## RENT OF LABORATORY BUILDING.

Date.	Name.	Nature of payment.	Total.
1893.			
Sept. 7	J. Harrison Johnson .....	Rent, July .....	\$75.00
12	do .....	Rent, August .....	75.00
	Total first quarter .....		150.00
Oct. 6	J. Harrison Johnson .....	Rent, September .....	75.00
Nov. 1	do .....	Rent, October .....	75.00
Dec. 9	do .....	Rent, November .....	75.00
	Total second quarter .....		225.00
1894.			
Jan. 3	J. Harrison Johnson .....	Rent, December .....	75.00
Feb. 7	do .....	Rent, January .....	75.00
Mar. 3	do .....	Rent, February .....	75.00
	Total third quarter .....		225.00
Apr. 5	J. Harrison Johnson .....	Rent, March .....	75.00
May 1	do .....	Rent, April .....	75.00
June 4	do .....	Rent, May .....	75.00
	Total fourth quarter .....		225.00
	Supplemental.		
July 2	J. Harrison Johnson .....	Rent, June .....	75.00

## RECAPITULATION.

Total first quarter .....	\$150.00
Total second quarter .....	225.00
Total third quarter .....	225.00
Total fourth quarter .....	225.00
Total supplemental .....	75.00
Total .....	900.00

## ADULTERATION OF FOOD.

Date.	Name.	Nature of payment.	Total.
1893.			
July 18	T. F. Sanborn .....	Salary .....	\$52.17
31	Alex. J. Wedderburn .....	do .....	135.45
31	T. C. Trescott et al. ....	Salaries .....	823.80
Aug. 15	Alex. J. Wedderburn .....	Salary .....	90.30
23	Chas. Cooper & Co. ....	Sulphuric ether .....	48.83
31	E. E. Ewell et al. ....	Salaries .....	503.70
Sept. 16	Z. D. Gilman .....	Gasoline, etc. ....	11.85
30	E. E. Ewell et al. ....	Salaries .....	492.60
	Total first quarter .....		2,158.70
Oct. 16	S. H. Apperson .....	Salary .....	24.46
18	Library Bureau .....	Index cases and fittings .....	12.50
20	Adams Express Co. ....	Transportation .....	2.75
31	E. E. Ewell et al. ....	Salaries .....	430.91
Nov. 16	Jno. L. Fuelling .....	Salary .....	13.04
22	Chas. Cooper & Co. ....	Sulphuric ether .....	105.35
30	Geo. H. Rockwood et al. ....	Salaries .....	180.60
Dec. 6	Adams Express Co. ....	Transportation .....	17.35
12	Z. D. Gilman .....	Bottles, etc. ....	119.94
30	Geo. H. Rockwood et al. ....	Salaries .....	184.70
	Total second quarter .....		1,091.60
1894.			
Jan. 5	Geo. W. Knox Express .....	Freight and drayage .....	6.63
12	H. J. Wheeler .....	Chondrus crispus, etc .....	3.50
17	Z. D. Gilman .....	Flasks, etc. ....	27.26
18	United States Express Co. ....	Transportation .....	14.55
31	T. C. Trescott et al. ....	Salaries .....	406.65
Feb. 14	G. L. Spencer .....	Food samples .....	4.40
21	Adams Express Co. ....	Transportation .....	2.60
23	United States Express Co. ....	do .....	2.10

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## ADULTERATION OF FOOD—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Feb. 28	T. C. Trescot et al.	Salaries	\$470.00
Mar. 14	Z. D. Gilman	Silver nitrate, etc.	26.76
14	Ernest Betz	Iron rings, etc.	5.85
20	Z. D. Gilman	Flasks, etc.	56.96
31	T. C. Trescot et al.	Salaries	575.00
	Total third quarter		1,602.26
Apr. 30	W. D. Bigelow et al.	Salaries	478.60
May 24	Wm. Jago	Apparatus	29.93
31	T. C. Trescot et al.	Salaries	612.00
June 12	The Gas Appliance Exchange of Washington.	Gas stand	7.00
12	do	Condenser	5.00
13	Adams Express Co	Transportation	31.75
16	Geo. W. Knox Express	do	7.09
22	G. L. Spencer	Food samples	4.58
25	Z. D. Gilman	Viscosimeter, etc	83.09
30	T. C. Trescot et al.	Salaries	594.00
	Total fourth quarter		1,853.04
	Supplemental.		
July 14	Queen & Co., incorporated	Tubes	6.00
19	Geo. W. Knox Express	Freight	1.10
Aug. 2	Adams Express Co	Transportation	2.60
	Total supplemental		9.70

## RECAPITULATION.

Total first quarter	\$2,158.70
Total second quarter	1,091.60
Total third quarter	1,602.26
Total fourth quarter	1,853.04
Total supplemental	9.70
Total	6,715.30

## FIBER INVESTIGATIONS.

Date.	Name.	Nature of payment.	Total.
1893.			
July 31	Chas. R. Dodge et al.	Salaries	\$269.60
Aug. 31	do	do	269.60
Sept. 19	E. J. Pullman	Photographic work	2.10
30	Chas. R. Dodge et al.	Salaries	211.91
	Total first quarter		753.21
Oct. 4	Ernest Betz	Lining box with tin	4.50
20	Adams Express Co	Transportation	1.55
31	Chas. R. Dodge	Salary	168.50
Nov. 30	do	do	163.00
Dec. 6	Adams Express Co	Transportation	3.60
19	United States Express Co	do	1.30
26	Adams Express Co	do	2.85
30	Chas. R. Dodge	Salary	168.50
	Total second quarter		513.80
1894.			
Jan. 31	Chas. R. Dodge	Salary	172.20
Feb. 23	United States Express Co	Transportation	.50
28	Chas. R. Dodge	Salary	155.60
Mar. 20	Alex. Schmid	Covering parcels	2.00
31	Chas. R. Dodge	Salary	172.20
	Total third quarter		502.50
Apr. 14	Wm. K. Nottingham	Services	18.00
16	W. F. Roberts	Labels	6.50
30	Wm. K. Nottingham	Services	19.50
30	Chas. R. Dodge	Salary	164.80

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## FIBER INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
May 15	Wm. K. Nottingham .....	Services .....	\$19.50
23	E. Morrison Paper Co. ....	Tags .....	.50
31	Chas. R. Dodge .....	Salary .....	170.40
June 1	do .....	Expenses .....	5.71
30	do .....	Salary .....	164.80
	Total fourth quarter .....		569.71
	<i>Supplemental.</i>		
July 22	A. W. Thornton .....	Salary .....	150.00
3	Amanda A. Newton .....	Wax model .....	5.00
27	F. W. S. Blanchard .....	Electrotypes .....	6.00
Aug. 2	Alex. Schmid .....	Covering parcels .....	.25
	Total supplemental .....		161.25

## RECAPITULATION.

Total first quarter .....	\$753.21
Total second quarter .....	513.80
Total third quarter .....	502.50
Total fourth quarter .....	569.71
Total supplemental .....	161.25
Total .....	2,500.47

## REPORT ON FORESTRY.

Date.	Name.	Nature of Payment.	Total.
1893.			
July 31	N. H. Egleston et al. ....	Salaries .....	\$184.80
Aug. 8	Filibert Roth .....	Salary .....	50.00
15	J. B. Johnson .....	Timber tests .....	1,426.00
16	John C. Parker .....	Copying machine and box .....	32.50
19	Library Bureau .....	Index cards .....	4.50
31	N. H. Egleston et al. ....	Salaries .....	184.80
Sept. 13	Filibert Roth .....	Salary .....	126.40
15	James Pierce et al. ....	Labor .....	9.00
19	J. B. Johnson .....	Timber tests .....	701.20
19	John E. Henyon .....	Covering test specimens .....	7.00
26	Franklin & Co. ....	Compass, etc. ....	3.60
27	United States Express Co. ....	Transportation .....	.90
30	Chas. Mohr .....	Test material .....	147.00
30	N. H. Egleston et al. ....	Salaries .....	180.40
	Total first quarter .....		3,058.10
Oct. 4	Filibert Roth .....	Salary .....	122.20
7	J. B. Johnson .....	Timber tests .....	914.40
9	Filibert Roth .....	Shipping, etc. ....	41.07
10	Chas. Mohr .....	Salary .....	375.00
11	Alex. Schmid .....	Boxes .....	13.75
12	F. F. Harrington .....	Services .....	85.00
13	Adams Express Co. ....	Transportation .....	2.25
17	Geo. W. Knox Express .....	Freight and drayage .....	89.32
18	Buxton & Skinner .....	Stationery .....	20.50
19	Albinson & Chase .....	Tin tubes .....	6.00
31	N. H. Egleston .....	Expenses .....	46.25
31	N. H. Egleston et al. ....	Salaries .....	218.58
Nov. 1	Filibert Roth .....	Salary .....	126.40
4	B. E. Fernow .....	Traveling expenses .....	55.62
6	F. A. Schneider .....	Solder .....	.30
7	Albinson & Chase .....	Galvanized-iron tubes .....	10.00
9	Wm. Owens .....	Services .....	12.00
9	J. B. Johnson .....	Timber tests .....	372.80
13	Joseph Thompson .....	Free .....	1.00
18	Z. D. Gilman .....	Chemicals .....	4.70
30	N. H. Egleston et al. ....	Salaries .....	212.80
Dec. 2	Filibert Roth .....	Salary .....	122.20
2	Christopher Ammon .....	Set of Forest Object Lesson .....	87.28
6	J. B. Johnson .....	Timber tests .....	1,205.60
6	Adams Express Co. ....	Transportation .....	1.20
11	Alex. Schmid .....	Tubes .....	3.20
19	Chas. Mohr .....	Test material .....	656.25



Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## REPORT ON FORESTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Dec. 19	United States Express Co	Transportation	\$2.85
26	A. L. Johnson	Services	50.00
26	Adams Express Co.	Transportation	1.80
30	Chas. Mohr	Salary	375.00
30	N. H. Egleston et al	Salaries	208.10
	Total second quarter		5,443.42
1894.			
Jan. 3	Filibert Roth	Salary	126.40
5	A. L. Johnson	Services	125.00
5	J. B. Johnson	Timber tests	777.60
5	Geo. W. Knox Express	Freight and drayage	87.03
11	Thos. Somerville & Sons	Steel chuck	2.40
18	United States Express Co	Transportation	2.85
24	Thos. Meehan & Sons	Free seed	14.25
25	Geo. W. Knox Express	Freight and drayage	4.00
26	Austin Cary	Schedules	56.00
31	N. H. Egleston et al	Salaries	215.60
Feb. 1	Filibert Roth	Salary	120.20
10	Austin Cary	Schedules	90.40
10	A. L. Johnson	Services	130.00
10	J. B. Johnson	Timber tests	1,064.80
13	E. Morrison Paper Co.	Photographic boards	50
14	Stephenson's Express	Freight	5.67
23	United States Express Co	Transportation	7.35
28	Filibert Roth	Salary	116.60
28	N. H. Egleston et al	Salaries	195.80
Mar. 3	Barbour & Ross	Hardware	3.30
6	A. L. Johnson	Services	105.00
6	J. B. Johnson	Timber tests	824.40
12	Thos. Broderick et al	Erecting California redwood tree in grounds.	130.00
15	Wm. K. Nottingham	Labor	34.50
16	Austin Cary	Test material	80.80
16	B. E. Fernow	Traveling expenses	31.80
22	Easton & Rupp	Stub files	15.00
22	J. C. Addison	Bristol board, etc	1.40
31	Wm. K. Nottingham	Labor	21.00
31	N. H. Egleston et al	Salaries	215.60
	Total third quarter		4,604.34
Apr. 2	Chas. Mohr	Services	375.00
2	Grays Harbor Commercial Co	Test material	55.88
2	Filibert Roth	Salary	129.20
9	Fred Volz	Timber tests	13.40
9	A. L. Johnson	Services	105.00
9	J. B. Johnson	Timber tests	1,062.40
9	do	Freight	119.13
11	J. C. Addison	Strawboard, etc	6.50
13	Austin Cary	Measuring trees	95.00
13	Edw. S. Schmid	White moss	2.25
13	E. Morrison Paper Co.	Herbarium paper	5.50
17	Stephenson's Express	Freight	3.36
18	J. J. Hoffman	Measuring trees	100.00
20	Geo. W. Knox Express	Freight and drayage	8.67
21	Geo. B. Sudworth	Expenses	8.62
23	Heinrich Otto	Fees	3.75
25	The Wood Worker	Subscription	1.00
30	N. H. Egleston et al	Salaries	206.60
May 1	Filibert Roth	Salary	123.60
5	J. B. Johnson	Timber tests	640.80
28	Wm. Ballantyne & Sons	Tracing cloth	5.90
31	N. H. Egleston et al	Salaries	233.54
June 2	Filibert Roth	Salary	127.80
7	B. E. Fernow	Traveling expenses	29.02
9	J. B. Johnson	Timber tests	891.20
9	Austin Cary	Timber measurements	200.00
9	Chas. Mohr	Test material	648.75
9	A. L. Johnson	Services	125.00
9	do	do	35.00
16	Geo. W. Knox Express	Freight and drayage	33.37
20	Chas. Mohr	Test material	97.50
20	Austin Cary	do	40.00
30	N. H. Egleston et al	Salaries	258.60
	Total fourth quarter		5,791.34

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## REPORT ON FORESTRY—Continued

Date.	Name.	Nature of payment.	Total.
<i>Supplemental.</i>			
1894.			
July 3	J. B. Johnson .....	Freight .....	\$24.30
3	Buxton & Skinner .....	Paper .....	12.50
5	Henry H. Brown .....	Copper case, etc. ....	6.35
5	Filibert Roth .....	Salary .....	123.60
7	A. L. Johnson .....	Services .....	130.00
7	B. E. Fernow .....	Expenses .....	30.00
13	J. B. Johnson .....	Timber tests .....	114.00
17	Stephenson's Express .....	Freight .....	3.43
17	Geo. W. Knox Express .....	do .....	68.33
Aug. 2	The Maurice Joyce Engraving Co. ....	Engraving .....	9.00
4	Chas. Mohr .....	Salary .....	375.00
9	J. B. Johnson .....	Freight .....	7.25
	Total supplemental .....		903.76

## RECAPITULATION.

Total first quarter .....	\$3,058.10
Total second quarter .....	5,443.42
Total third quarter .....	4,604.84
Total fourth quarter .....	5,791.84
Total supplemental .....	903.76
Total .....	19,800.96

## ILLUSTRATIONS AND ENGRAVINGS.

Date.	Name.	Nature of payment.	Total.
1893.			
July 31	John C. Parker .....	Remodeling typewriter, etc. ....	\$71.00
Aug. 22	Adams Express Co. ....	Transportation .....	1.15
28	United States Express Co. ....	do .....	3.65
31	Fred. Reh .....	Boxes .....	6.25
Sept. 20	Hanson Bros. ....	Electrotypes .....	1.45
27	United States Express Co. ....	Transportation .....	.80
	Total first quarter .....		84.30
Oct. 5	Geo. N. Saegmuller .....	Micrometer .....	5.00
5	Adams Express Co. ....	Transportation .....	1.35
13	John C. Parker .....	Stationery .....	36.75
Dec. 6	do .....	Stationery, etc. ....	26.90
19	United States Express Co. ....	Transportation .....	1.20
	Total second quarter .....		71.20
1894.			
Jan. 3	Standard Engraving Co. ....	Engraving .....	7.00
16	Hanson Bros. ....	Electrotypes .....	14.40
18	United States Express Co. ....	Transportation .....	.95
18	do .....	do .....	2.30
30	John C. Parker .....	Stationery .....	30.08
Feb. 3	R. Shorrock .....	Photographing on wood .....	2.50
23	United States Express Co. ....	Transportation .....	2.95
Mar. 2	Fred. A. Schmidt .....	Paint and ink .....	1.50
9	Hanson Bros. ....	Electros .....	.80
24	Otto Heidemann .....	Wood engraving .....	78.75
26	Chas. Fisher .....	Scissors .....	3.00
	Total third quarter .....		144.23
Apr. 9	V. Grotenthaler Co. ....	Rests, etc. ....	2.50
13	Otto Heidemann .....	Wood engraving .....	68.00
18	John C. Parker .....	Pencils .....	2.28
23	V. Grotenthaler Co. ....	Engraving .....	1.25
May 8	Otto Heidemann .....	do .....	70.00
10	Weil & Taws .....	Chartographic paper .....	9.50
10	W. H. Veerhoff .....	Paints .....	1.98
23	Otto Heidemann .....	Engraving .....	40.00
June 5	do .....	do .....	18.75
28	Barber & Ross .....	Tacks .....	.35
30	Otto Heidemann .....	Engraving .....	78.75
	Total fourth quarter .....		293.36

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## ILLUSTRATIONS AND ENGRAVINGS—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental.</i>			
1894.			
July 12	Fred. Reh .....	Paper boxes .....	\$12.00
14	Otto Heidemann .....	Engraving .....	20.00
14	Hanson Bros. ....	Electros .....	.80
25	Otto Heidemann .....	Engraving .....	25.00
	Total supplemental .....		57.80

## RECAPITULATION.

Total first quarter .....	\$84.30
Total second quarter .....	71.20
Total third quarter .....	144.23
Total fourth quarter .....	293.36
Total supplemental .....	57.80
Total .....	650.89

## PURCHASE OF VALUABLE SEEDS.

Date.	Name.	Nature of payment.	Total.
1893.			
July 15	A. E. Marschalk et al. ....	Labor .....	\$387.75
25	Edw. S. Schmid .....	Bulbs .....	116.00
27	Z. De Forest Ely & Co .....	Seed .....	750.00
31	A. E. Marschalk et al. ....	Labor .....	369.75
31	E. S. Harnden et al. ....	do .....	726.00
Aug. 2	E. S. Harnden .....	Expenses .....	52.54
4	Washington Gaslight Co .....	Gas .....	25.50
9	Geo. W. Knox Express .....	Freight .....	12.50
14	Z. De Forest Ely & Co .....	Seeds .....	1,550.00
14	Pennsylvania R. R. Co .....	Transportation .....	6.50
15	Julia D. Danels .....	Paper bags .....	3.12
15	A. E. Marschalk et al. ....	Labor .....	364.50
18	Z. De Forest Ely & Co .....	Seed .....	500.00
18	Joseph E. Holland .....	do .....	500.00
21	Aretas Hall .....	Labor .....	38.70
22	Rome, Watertown and Ogdensburg R. R., New York Central and Hudson River R. R. Co., lessee.	Transportation .....	4.57
22	New York Central and Hudson River R. R. Co. ....	do .....	15.88
30	United States Express Co .....	do .....	10.90
31	A. E. Marschalk et al. ....	Labor .....	375.00
31	E. S. Harnden et al. ....	do .....	760.57
31	A. E. Eaton et al. ....	do .....	180.10
Sept. 7	Washington Gaslight Co .....	Gas .....	28.25
12	Geo. W. Knox Express .....	Freight and drayage .....	55.68
12	E. S. Harnden .....	Traveling expenses .....	117.80
13	New York and New England R. R. Co. ....	Transportation .....	5.00
15	A. E. Marschalk et al. ....	Labor .....	689.25
16	John C. Parker .....	Seed bags .....	945.00
16	M. A. Cottingham .....	Labor .....	1.50
19	Pennsylvania R. R. Co. ....	Transportation .....	6.50
21	Burlington and Missouri River R. R. in Nebraska.	do .....	6.15
21	Cleveland Seed Co .....	Seed .....	2,155.00
22	Toledo, Ann Arbor and North Michigan R. R. Co. ....	Transportation .....	1.05
25	Michigan Central R. R. Co. ....	do .....	1.15
25	Wm. Elliott & Sons .....	Seed .....	50.00
27	Polman Mooy .....	Bulbs .....	1,333.00
30	Chicago and Northwestern R. R. Co. ....	Transportation .....	4.87
30	A. E. Marschalk et al. ....	Labor .....	733.33
30	E. S. Harnden et al. ....	do .....	908.01
30	A. E. Eaton et al. ....	do .....	177.80
	Total first quarter .....		13,977.21
Oct. 2	F. Barteldes & Co .....	Seed .....	150.00
2	The Wabash R. R. Co .....	Transportation .....	5.50
2	Tice & Lynch .....	Freight .....	88.98



*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## PURCHASE OF VALUABLE SEEDS—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Oct. 3	E. S. Harden .....	Traveling expenses .....	\$7.10
5	Washington Gaslight Co. ....	Gas .....	22.00
6	Polman Mooy .....	Bulbs .....	152.00
7	Chicago and Grand Trunk Rwy. Co. ....	Transportation .....	12.06
7	Chesapeake and Potomac Telephone Co. ....	Telephone rent .....	15.00
10	Baltimore and Ohio R. R. Co. ....	Transportation .....	14.25
10	J. M. Thorburn & Co. ....	Seed .....	700.00
10	Tice & Lynch .....	Cleaning, etc., bulbs .....	10.14
12	T. W. Wood & Sons .....	Oats .....	22.50
13	Atchison, Topeka and Santa Fe R. R. Co. ....	Transportation .....	6.20
13	Northrup, Braslan and Goodwin Co. ....	Seed .....	8,662.00
13	do .....	do .....	725.00
16	S. P. Conner .....	Labor .....	19.35
17	Geo. W. Knox Express .....	Freight and drayage .....	182.02
17	United States Express Co. ....	Transportation .....	8.60
17	Chicago, Burlington and Quincy R. R. Co. ....	do .....	7.00
17	Milwaukee, Lake Shore and Western Rwy. Co. ....	do .....	2.32
17	Chicago, St. Paul, Minneapolis and Omaha Rwy. Co. ....	do .....	11.05
17	Geo. W. Knox Express .....	Freight .....	25.50
18	F. Barteldes & Co. ....	Seed .....	300.68
21	Alex. Schmid .....	Mailing boxes .....	62.50
23	D. I. Bushnell & Co. ....	Seed .....	375.00
24	John C. Parker .....	Seed bags .....	760.30
24	do .....	Shipping tags .....	8.00
28	Francis Miller .....	Glue .....	.80
28	John C. Parker .....	Seed bags .....	2,450.00
28	S. C. Lamkin .....	Seed .....	135.00
31	Alex. C. Campbell et al. ....	Labor .....	1,728.94
31	J. L. Dunbar et al. ....	do .....	1,785.76
31	L. M. Trevitt et al. ....	do .....	1,083.72
31	L. B. Da Vega et al. ....	do .....	879.78
31	Emma Robinson et al. ....	do .....	485.04
31	Cora G. Boggs .....	do .....	9.03
31	New York, New Haven and Hartford R. R. Co. ....	Transportation .....	5.00
31	E. S. Harnden et al. ....	Labor .....	781.36
31	A. E. Eaton et al. ....	do .....	180.10
Nov. 3	Washington Gaslight Co. ....	Gas .....	20.25
4	D. I. Bushnell & Co. ....	Seed .....	172.21
4	Francis Brill .....	do .....	2,160.00
4	A. E. Marschalk .....	Labor .....	5.33
4	Odie A. King .....	do .....	4.00
8	Francis Brill .....	Seed .....	50.00
8	Johnson, Robbins & Co. ....	do .....	800.00
11	Ernest Betz .....	Boiling tank, etc. ....	23.00
13	The Cleveland Seed Co. ....	Seed .....	877.50
17	Robert Buist, jr. ....	Seed and bags .....	328.00
18	J. B. Hammond .....	Tags .....	50.00
18	Johnson, Robbins & Co. ....	Seed .....	276.40
20	Geo. W. Knox Express .....	Transportation .....	579.10
21	Z. De Forest Ely & Co. ....	Seed .....	77.60
22	F. Barteldes & Co. ....	do .....	56.50
24	Northrup, Braslan & Goodwin Co. ....	do .....	965.00
24	do .....	do .....	1,322.50
24	do .....	do .....	330.00
24	D. M. Ferry & Co. ....	do .....	1,800.00
25	Stephenson's Express .....	Freight .....	30.00
28	John C. Parker .....	Seed pockets, etc. ....	336.60
30	E. S. Harnden, et al. ....	Labor .....	762.68
30	John W. Buchanan, et al. ....	do .....	1,298.53
30	Anna Meredith, et al. ....	do .....	975.77
30	A. M. Gassaway, et al. ....	do .....	1,119.80
30	E. E. Burns, et al. ....	do .....	1,054.45
30	M. H. Wallace, et al. ....	do .....	445.22
30	A. E. Eaton, et al. ....	do .....	177.30
Dec. 6	The Cleveland Seed Co. ....	Seed .....	200.00
6	Johnson, Robbins & Co. ....	do .....	403.75
6	The Cleveland Seed Co. ....	do .....	432.00
6	Washington Gaslight Co. ....	Gas .....	18.50
6	Polman Mooy .....	Bulbs .....	39.10
9	Tice & Lynch .....	Freight, etc. ....	7.64
11	B. W. Hawkins .....	Seed .....	150.00

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

PURCHASE OF VALUABLE SEEDS—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Dec. 11	Northrup, Braslan & Goodwin Co.	Seed .....	\$540.00
11	do .....	do .....	430.00
11	do .....	do .....	885.00
11	J. Baumgarten & Sons .....	Rubber stamp .....	2.25
13	Northrup, Braslan & Goodwin Co.	Seed .....	2,292.00
13	do .....	do .....	610.00
13	do .....	do .....	400.00
13	do .....	do .....	41.25
14	Roy C. Woodside .....	Labor .....	9.03
16	C. W. Collins & Bro. ....	Seed .....	109.00
16	E. S. Harnden .....	Expenses .....	7.80
18	Northrup, Braslan & Goodwin Co.	Seeds .....	1,590.00
18	do .....	do .....	545.00
19	Pennsylvania Co. ....	Transportation .....	13.50
19	Lake Shore and Michigan Southern Rwy. Co.	do .....	7.00
19	do .....	do .....	7.00
19	United States Express Co .....	do .....	11.40
28	Easton & Rupp .....	Twine .....	129.38
30	E. S. Harnden et al .....	Labor .....	746.26
30	Jno. W. Buchanan et al .....	do .....	1,727.69
30	Leelia Bullard et al .....	do .....	1,819.31
30	E. P. Fouquet et al .....	do .....	1,807.71
30	Regina Marceron et al .....	do .....	1,803.81
30	Annie A. Wade et al .....	do .....	904.48
30	Alice Welch .....	do .....	16.12
30	A. E. Eaton et al .....	do .....	180.10
	Total second quarter .....		55,334.40
1894.			
Jan. 2	J. O. Williams .....	Labor .....	7.74
3	Adele Young .....	do .....	1.29
5	Geo. W. Knox Express .....	Freight .....	254.71
5	do .....	do .....	401.69
5	John C. Parker .....	Seed bags, etc .....	1,368.00
15	W. L. Titus .....	Labor .....	9.03
16	W. A. Killingsworth .....	Seed .....	61.00
16	O. Palmer .....	do .....	71.96
16	W. Atlee Burpee & Co .....	do .....	600.00
16	Hallock F. Luce .....	do .....	347.70
16	Jerome B. Rice & Co .....	do .....	230.00
16	The Cleveland Seed Co .....	do .....	490.00
16	do .....	do .....	375.00
16	Z. DeForest Ely & Co .....	do .....	175.40
16	do .....	Oats, etc .....	38.45
16	do .....	do .....	35.65
16	Northrup, Braslan & Goodwin Co.	Seed .....	297.00
16	do .....	do .....	336.00
16	do .....	do .....	732.00
16	do .....	do .....	205.00
16	do .....	do .....	300.00
16	do .....	do .....	832.50
16	do .....	do .....	306.00
16	do .....	do .....	727.50
16	do .....	do .....	162.50
16	do .....	do .....	90.00
17	James A. Peterkin .....	do .....	37.50
17	Marion Suit .....	Labor .....	5.00
18	United States Express Co .....	Transportation .....	18.80
18	Pennsylvania R. R. Co .....	do .....	4.00
18	R. L. Ragland Seed Co .....	Seed .....	443.25
22	T. W. Wood & Sons .....	do .....	22.50
22	D. W. Cross .....	do .....	30.00
22	R. W. Drake .....	do .....	37.50
22	Z. De Forest Ely & Co .....	do .....	165.40
22	D. M. Ferry & Co .....	do .....	875.00
22	G. M. Robertson .....	do .....	150.00
23	The Brown Bag-Filling Machine Co.	Rent of bag-filling machine .....	250.50
25	Geo. W. Knox Express .....	Freight and drayage .....	929.54
31	E. S. Harnden et al .....	Labor .....	701.60
31	John W. Buchanan et al .....	do .....	1,376.63
31	John D. Sells et al .....	do .....	288.96
31	A. E. Eaton et al .....	do .....	182.10
Feb. 1	Alexander Drug and Seed Co .....	Seed, etc .....	27.40
1	The Cleveland Seed Co .....	do .....	50.00

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## PURCHASE OF VALUABLE SEEDS—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Feb. 1	Peter Henderson & Co	Seed, etc	\$30.00
1	F. Barteldes & Co	do	74.80
1	The Nebraska Seed Co	do	288.50
1	Northrup, Braslan & Goodwin Co.	do	499.25
1	do	do	224.00
1	do	do	213.00
1	do	do	105.00
1	do	do	69.00
1	Phil. Stimmel	do	2,253.70
1	do	do	1,443.34
1	do	do	1,048.46
1	do	do	330.13
1	do	do	300.00
1	do	do	707.00
1	do	do	425.00
3	F. Barteldes & Co	do	75.00
3	J. M. Thorburn & Co	do	205.00
7	Geo. W. Truitt	do	100.00
8	Washington Gaslight Co	Gas	10.50
9	Francis Miller	Glue	.80
14	Northrup, Braslan & Goodwin Co.	Seed	1,550.10
16	J. M. Thorburn & Co	do	60.20
16	Northrup, Braslan & Goodwin Co.	do	35.00
17	J. C. Vaughan	Seed, etc	89.30
19	Thomas Somerville & Sons	Repairing machine	1.30
20	Wm. P. Brooks	Seed	10.00
21	E. Morrison Paper Co	Files	1.40
23	Baltimore and Ohio R. R. Co	Transportation	4.00
23	United States Express Co	do	3.70
24	Geo. W. Knox Express	Freight and drayage	246.07
26	A. A. Denton	Seed	1.20
28	E. S. Harnden et al	Labor	636.80
28	L. D. Addis et al	do	1,795.69
28	M. S. Quantrille et al	do	502.80
28	E. M. Gillespie et al	do	1,702.80
26	M. L. McElwee	do	21.42
28	A. E. Eaton et al	do	173.30
Mar. 2	Washington Gaslight Co	Gas	7.75
	Francis Miller	Glue	1.20
14	Northrup, Braslan & Goodwin Co.	Seeds	92.00
14	do	do	61.25
14	do	do	35.00
14	do	do	23.00
14	Z. D. Gilman	Glue	25.00
14	Ernest Betz	Tin cups and pans	1.60
15	L. D. Addis	Labor	19.35
16	Geo. W. Knox Express	Freight and drayage	53.82
19	Frost & Co	Cuttings	20.00
22	J. T. Lovett	Strawberry plants, etc	48.17
27	Washington Gaslight Co	Gas	21.25
30	L. A. Salomon & Bro	Dextrine	24.31
30	F. Barteldes & Co	Seed and bags	84.45
30	do	do	37.35
31	R. L. Ragland Seed Co.	do	45.00
31	Peter Henderson & Co	do	18.00
31	E. S. Harnden et al	Labor	701.60
31	Jno. W. Buchanan et al	do	1,771.60
31	H. A. Snyder et al	do	806.42
31	Ida F. Dake et al	do	1,825.78
31	A. E. Eaton et al	do	182.10
Dec. 12	P. I. Perckmanns	Peach trees	9.60
	Total third quarter		35,114.46
Apr. 3	T. K. Godbey	Seed	9.00
3	Edward Atkins	do	1.00
3	L. A. Salomon & Bro	Dextrin	24.31
3	Northrup, Braslan & Goodwin Co.	Seed	693.50
3	do	do	439.25
3	do	do	187.50
3	do	do	24.50
3	do	do	24.00
7	John C. Parker	Seed pockets	800.00
11	Peter Henderson & Co	Seed	28.00
11	T. S. Hubbard Co	Grape cuttings	150.00



*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## PURCHASE OF VALUABLE SEEDS—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Apr. 11	I. Planta & Co. ....	Seed .....	\$162.03
11	J. M. Thorburn & Co. ....	do .....	227.20
11	Northrup, Braslan & Goodwin Co. ....	do .....	350.00
11	Robert Buist, jr. ....	do .....	1,161.80
11	Orndorff & Truxton. ....	do .....	12.00
16	Jno. W. Buchanan et al. ....	Labor .....	915.99
16	Olive E. Pitcher et al. ....	do .....	629.32
16	Ida F. Drake et al. ....	do .....	911.98
18	John C. Porker. ....	Paper, etc. ....	151.75
20	J. B. Hammond. ....	Tags .....	25.00
20	Geo. W. Knox Express. ....	Freight and drayage. ....	30.44
24	United States Express Co. ....	Transportation. ....	15.00
27	The Cleveland Seed Co. ....	Seed .....	20.40
27	D. M. Ferry & Co. ....	do .....	53.50
27	do .....	do .....	49.50
27	J. M. Thorburn & Co. ....	do .....	430.20
27	Orndorff & Truxton. ....	do .....	50.00
30	Jno. W. Buchanan et al. ....	Labor .....	200.00
30	E. S. Harnden et al. ....	do .....	605.51
30	A. E. Eaton et al. ....	do .....	178.10
May 5	Z. D. Gilman. ....	Glue .....	25.00
10	Francis Miller. ....	do .....	1.20
14	D. I. Bushnell. ....	Seed .....	420.00
23	Geo. G. Dillard. ....	do .....	9.77
28	Edw. S. Schmid. ....	Bulbs .....	24.00
28	The Cleveland Seed Co. ....	Seed .....	10.20
28	D. M. Ferry & Co. ....	do .....	110.25
28	do .....	do .....	38.50
31	E. S. Harnden et al. ....	Labor .....	479.60
31	A. E. Eaton et al. ....	do .....	181.50
June 7	H. R. Hess. ....	Grape cuttings. ....	9.75
30	E. S. Harnden et al. ....	Labor .....	465.20
30	A. E. Eaton et al. ....	do .....	178.10
	Total fourth quarter .....		10,513.45
	Supplemental. ....		
July 13	The Brown Bag-Filling Machine Co. ....	Rent of bag-filling machine .....	250.00

## RECAPITULATION.

Total first quarter .....	\$13,977.21
Total second quarter .....	55,334.40
Total third quarter .....	35,114.46
Total fourth quarter .....	10,513.45
Total supplemental .....	250.00
Total .....	115,189.52

## SEEDS, PRINTING, LABOR, ETC.

Date.	Name.	Nature of payment.	Total.
1893.			
July 31	Frank Helmick et al. ....	Labor .....	\$397.40
Aug. 4	Geo. Ryneal, jr. ....	Danforth fluid. ....	7.75
7	W. C. Newton & Co. ....	Rollers .....	2.50
31	Frank Helmick et al. ....	Labor .....	400.71
Sept. 5	W. C. Newton & Co. ....	Printers' supplies. ....	56.10
28	do .....	Electros .....	10.00
30	Frank Helmick et al. ....	Labor .....	341.01
	Total first quarter .....		1,208.47
Oct. 21	J. H. Mills & Co. ....	Ink .....	75
31	Frank Helmick et al. ....	Labor .....	357.00
Nov. 8	W. C. Newton & Co. ....	Rollers, etc. ....	5.25
30	Frank Helmick et al. ....	Labor .....	346.93
Dec. 2	W. C. Newton & Co. ....	Ink .....	4.50
12	do .....	Ink, etc. ....	8.25
30	Geo. D. Skinner et al. ....	Labor .....	367.46
	Total second quarter .....		1,090.14

## EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

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*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## SEEDS, PRINTING, LABOR, ETC.—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Jan. 5	Geo. Ryneal, jr. ....	Danforth fluid .....	\$0.75
11	W. C. Newton & Co. ....	Printers' supplies .....	4.20
13	James F. Corridon .....	Labor .....	14.67
31	Geo. D. Skinner et al. ....	do .....	355.67
Feb. 9	W. C. Newton & Co. ....	Printers' supplies .....	17.20
28	Geo. D. Skinner et al. ....	Labor .....	348.60
Mar. 1	J. H. Mills & Co. ....	Ink .....	1.25
2	John C. Parker .....	Paper .....	34.00
13	W. C. Newton & Co. ....	Rollers .....	2.50
17	J. H. Mills & Co. ....	Ink .....	2.50
24	Geo. Ryneal, jr. ....	Danforth fluid .....	.75
31	Geo. D. Skinner et al. ....	Labor .....	344.40
Total third quarter .....			1,126.49
Apr. 6	Geo. Ryneal, jr. ....	Danforth fluid .....	.75
11	W. C. Newton & Co. ....	Rollers .....	1.50
30	Geo. D. Skinner et al. ....	Labor .....	323.13
May 15	W. C. Newton & Co. ....	Cement .....	1.20
31	Geo. D. Skinner et al. ....	Labor .....	340.40
June 4	Geo. Ryneal, jr. ....	Danforth fluid .....	.75
18	W. C. Newton & Co. ....	Printers' supplies .....	6.90
30	Geo. D. Skinner, et al. ....	Labor .....	367.70
Total fourth quarter .....			1,042.33
<i>Supplemental.</i>			
July 16	W. C. Newton & Co. ....	Ink, etc .....	6.00
Aug. 2	Geo. Ryneal, jr. ....	Danforth fluid .....	.75
	Easton & Rupp .....	Paper .....	1.20
Total supplemental .....			7.95

## RECAPITULATION.

Total first quarter .....	\$1,208.47
Total second quarter .....	1,090.14
Total third quarter .....	1,126.49
Total fourth quarter .....	1,042.33
Total supplemental .....	7.95
Total .....	4,475.38

## DOCUMENT AND FOLDING-ROOM.

Date.	Name.	Nature of payment.	Total.
1893.			
July 21	Herman Baumgarten .....	Repairing stamps .....	\$2.50
Aug. 18	John C. Parker .....	Paper and envelopes .....	446.40
Sept. 9	do .....	Envelopes .....	741.33
Total first quarter .....			1,190.23
Nov. 28	John C. Parker .....	Paper .....	206.25
1894.			
Mar. 26	do .....	Envelopes .....	266.33

## RECAPITULATION.

Total first quarter .....	\$1,190.23
Total second quarter .....	206.25
Total third quarter .....	266.33
Total .....	1,662.81

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## EXPERIMENTAL GARDENS AND GROUNDS—MISCELLANEOUS.

Date.	Name.	Nature of payment.	Total.
1893.			
July 18	Chris. Hayes	Packing moss	\$40.00
18	N. Studer	Roses	81.00
27	Robert Leitch & Sons	Hose, etc	126.30
28	Chris. Hayes	Packing moss	60.00
31	J. P. Brass	Sand	20.00
31	B. C. Saunders et al	Salaries	405.07
Aug. 4	Hugh Reilly	Oil, etc	46.76
5	Clark Bros.	Roses	76.00
7	Church & Stephenson	Lumber	39.99
7	Wm. E. Clark & Co	Lawn mowers, etc	78.61
9	Chris. Hayes	Packing moss	50.00
16	Ernest Betz	Watering pots	15.00
31	B. C. Saunders et al	Salaries	246.20
Sept. 4	Jno. D. Spreckles & Bros	Freight	7.50
6	Wm. E. Clark & Co	Baskets	7.00
7	Z. D. Gilman	Paris green	.50
21	E. G. Gummel	Broken granite	56.25
22	A. J. Wedderburn & Co	Fertilizer	90.00
27	E. J. Shumate	Freight	5.10
30	B. C. Saunders et al	Salaries	237.60
	Total first quarter		1,688.88
Oct. 2	E. N. Gray & Co	Boiler plate	62.50
5	C. J. Ortlip	Gravel	87.50
6	Church & Stephenson	Lumber	85.83
11	John C. Parker	Copy holder	2.50
12	The Herendeen Manufacturing Co.	Boiler	353.33
17	L. H. Hopkins	Hardware	13.80
18	H. L. Cranford	Repairing asphalt roadways, etc	875.61
20	Adams Express Co.	Transportation	2.35
21	Wm. E. Clark & Co.	Rakes	1.70
31	James Cochrane	Repairs, etc	9.10
31	B. C. Saunders et al	Salaries	318.20
Nov. 1	Thos. Somerville & Sons	Hardware, etc	29.76
1	Joseph F. Collins	Building coal vault, etc	267.27
7	Church & Stephenson	Lumber	27.79
20	John A. Power & Co	Plumbing	58.25
20	Geo. W. Knox Express	Freight and drayage	12.69
22	Ernest Betz	Plumbing	89.22
30	B. C. Saunders et al	Salaries	315.60
Dec. 1	Chris. Hayes	Soil	18.00
1	Alex. Schmid	Boxes	15.00
16	Hugh Reilly	Glass, etc	66.70
16	Church & Stephenson	Lumber	23.58
20	Wm. E. Clark & Co	Shears, etc	12.35
26	Adams Express Co	Transportation	2.25
30	Paul Hiser & Bro	Flower pots	11.00
30	B. C. Saunders et al	Salaries	318.20
	Total second quarter		3,080.08
1894.			
Jan. 5	Murray & Barker	Shoeing horses	26.00
8	Elizabeth Flynn	Manure	14.00
11	J. J. Pollexfen	Fumigators	1.25
12	L. H. Hopkins	Copper wire	15.00
17	Edw. S. Schmid	Labeling plants	30.00
17	James Cochrane	Repairing cart, etc	30.70
25	Geo. W. Knox Express	Freight	.95
30	Wm. A. Gaskins	Feed	110.45
31	B. C. Saunders et al	Salaries	329.10
Feb. 1	H. L. Cranford	Foundation for California redwood tree	488.90
3	John A. Power & Co	Repairing steam pipes, etc	9.90
6	Hugh Reilly	Painters' materials	35.59
10	W. B. Groat	Tobacco stems	27.20
16	Garrett & Buchanan	Paper	29.75
28	B. C. Saunders et al	Salaries	293.80
Mar. 6	Hugh Reilly	Paints, etc	35.62
6	Church & Stephenson	Lumber	6.32
17	J. P. Brass	Sand	12.00
31	B. C. Saunders et al	Salaries	329.10
	Total third quarter		1,825.63
Apr. 5	Paul Hiser & Bro	Flower pots	25.25
6	Hugh Reilly	Painting	13.32
11	L. H. Hopkins	Hardware	2.60
19	A. S. Graham	Lawn sprinkler	15.00



*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## EXPERIMENTAL GARDENS AND GROUNDS—MISCELLANEOUS—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Apr. 30	B. C. Saunders et al .....	Salaries .....	\$307.40
May 1	Wm. H. Ernest .....	Flower pots .....	15.00
5	Hugh Reilly .....	White lead, etc. ....	20.34
5	Robert Leitch & Sons .....	Hose .....	102.00
10	Peter Henderson & Co. ....	Lawn mowers .....	101.10
28	H. P. Kelsey .....	Plants .....	7.30
31	B. C. Saunders et al .....	Salaries .....	325.20
June 9	Wm. E. Clark & Co .....	Kainit, etc .....	25.50
9	Z. D. Gilman .....	London purple .....	1.00
16	Church & Stephenson .....	Lumber .....	85.48
30	B. C. Saunders et al .....	Salaries .....	313.40
	Total fourth quarter .....		1,359.89
	Supplemental.		
July 3	Clark Bros. ....	Roses .....	30.00
7	Kramer & Lacey .....	do .....	72.00
10	Wm. R. Ernest .....	Flowerpots .....	22.00
12	W. A. Pate .....	Repairs, etc .....	10.10
13	Church & Stephenson .....	Lumber .....	15.00
Aug. 8	H. L. Cranford .....	Additional base for redwood tree .....	40.13
17	J. R. Freeman .....	Roses .....	27.00
	Total supplemental .....		216.23

## RECAPITULATION.

Total first quarter .....	\$1,688.88
Total second quarter .....	3,080.08
Total third quarter .....	1,825.63
Total fourth quarter .....	1,359.89
Total supplemental .....	216.23
Total .....	8,170.71

## EXPERIMENTAL GARDENS AND GROUNDS—LABOR.

Date.	Name.	Nature of payment.	Total.
1893.			
July 31	James K. Kerr et al .....	Salaries .....	\$1,532.50
Aug. 31	do .....	do .....	1,553.46
Sept. 30	do .....	do .....	1,535.00
	Total first quarter .....		4,620.96
Oct. 16	Edw. Scanlon .....	Salary .....	31.30
31	James K. Kerr et al .....	Salaries .....	1,512.30
Nov. 30	do .....	do .....	1,465.40
Dec. 30	do .....	do .....	1,530.89
	Total second quarter .....		4,539.89
1894.			
Jan. 31	James K. Kerr et al .....	Salaries .....	1,593.40
Feb. 28	do .....	do .....	1,498.20
Mar. 31	do .....	do .....	1,564.10
	Total third quarter .....		4,595.70
Apr. 30	James H. Kerr et al .....	Salaries .....	1,470.50
May 31	do .....	do .....	1,592.68
June 30	do .....	do .....	1,626.42
	Total fourth quarter .....		4,689.60

## RECAPITULATION.

Total first quarter .....	\$4,620.96
Total second quarter .....	4,539.89
Total third quarter .....	4,595.70
Total fourth quarter .....	4,689.60
Total .....	18,446.15

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## MUSEUM.

Date.	Name.	Nature of payment.	Total.
1893.			
July 31	Henry Winckelmann et al. ....	Salaries .....	\$232.20
Aug. 4	Washington Gaslight Co. ....	Gas .....	4.00
31	Henry Winckelmann et al. ....	Salaries .....	196.95
Sept. 7	Washington Gaslight Co. ....	Gas .....	4.00
25	Mary Gillespie .....	Salary .....	40.76
30	W. F. Tomlinson et al. ....	Salaries .....	146.60
	Total first quarter .....		624.51
Oct. 5	Washington Gaslight Co. ....	Gas .....	4.50
31	W. F. Tomlinson et al. ....	Salaries .....	147.20
Nov. 3	Washington Gaslight Co. ....	Gas .....	9.25
30	W. F. Tomlinson et al. ....	Salaries .....	139.10
Dec. 30	.....do .....	.....do .....	153.44
	Total second quarter .....		453.49
1894.			
Jan. 9	Wm. Bennewate .....	Services .....	18.20
9	Peter Lonzion .....	do .....	22.40
12	O. W. Kappellmann & Co. ....	Brass plate .....	10.00
20	G. B. Brackett .....	Services .....	160.00
26	Wm. K. Nottingham .....	do .....	20.25
31	W. F. Tomlinson et al. ....	Salaries .....	202.90
Feb. 16	Wm. K. Nottingham .....	Services .....	15.00
24	Geo. W. Knox Express .....	Freight .....	2.42
28	W. F. Tomlinson et al. ....	Salaries .....	212.20
Mar. 16	Geo. W. Knox Express .....	Freight and drayage .....	1.00
24	Johnson & Luttrell .....	Cotton, etc. ....	2.90
31	W. F. Tomlinson et al. ....	Salaries .....	235.90
	Total third quarter .....		903.17
Apr. 20	Geo. W. Knox Express .....	Drayage .....	1.00
23	F. P. May & Co. ....	Hardware .....	1.45
27	Woodward & Lothrop .....	Ribbon .....	5.60
27	Ernest Betz .....	Tin plates .....	4.00
30	W. F. Tomlinson et al. ....	Salaries .....	243.40
May 31	.....do .....	do .....	274.20
June 30	.....do .....	do .....	266.40
	Total fourth quarter .....		796.05
	Supplemental.		
July 5	James Hobson .....	Wire mountings .....	10.00

## RECAPITULATION.

Total first quarter .....	\$624.51
Total second quarter .....	453.49
Total third quarter .....	903.17
Total fourth quarter .....	796.05
Total supplemental .....	10.00
Total .....	2,787.22

## FURNITURE, CASES, AND REPAIRS.

Date.	Name.	Nature of payment.	Total.
1893.			
July 27	L. H. Schneider's Son .....	Keys, etc. ....	\$5.00
31	Geo. A. Carter et al. ....	Salaries .....	300.00
Aug. 2	Chas. E. Selby .....	Repairing chair .....	2.50
3	Craig & Harding .....	Hatrack, etc. ....	7.25
4	Hugh Reilly .....	Glass .....	3.25
4	Geo. Ryneal, jr. ....	do .....	1.40
4	Wm. A. Keleher .....	Services .....	4.50
7	Church & Stephenson .....	Lumber .....	49.99
8	John A. Power & Co. ....	Plumbing .....	20.04
9	Wash. B. Williams .....	Matting .....	56.69
9	Jos. F. Collins .....	Lining boilers, etc. ....	208.25
18	M. G. Copeland & Co. ....	Awning .....	4.50
31	R. E. L. Thompson et al. ....	Salaries .....	324.00
Sept. 2	John A. Power & Co. ....	Plumbing .....	7.20
2	.....do .....	do .....	7.50
5	L. H. Schneider's Son .....	Key blanks .....	.38
5	Hugh Reilly .....	Glass, etc. ....	25.15

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## FURNITURE, CASES, AND REPAIRS—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Sept. 6	Church & Stephenson	Lumber	\$105.50
12	Belt & Dyer	do	3.75
23	W. B. Moses & Sons	Mirror, etc	7.32
29	Ben. Purcell et al	Labor	43.50
30	Geo. Carter et al	Salaries	234.00
	Total first quarter		1,421.67
Oct. 2	Ernest Betz	Ventilators	12.75
3	Jos. F. Collins	Laying trench	280.00
5	Robt. Leitch & Sons	Radiators, etc	45.85
6	Church & Stephenson	Lumber	50.56
9	Ernest Betz	Repairing roof	8.90
9	M. G. Copeland & Co.	Awning covers, etc.	23.50
17	L. H. Hopkins	Hardware	28.58
31	R. E. L. Thompson et al	Salaries	156.00
Nov. 1	Thos. Somerville & Sons	Hardware	5.50
7	Church & Stephenson	Lumber	117.65
7	John A. Power & Co	Plumbing	12.90
14	Ernest Betz	Repairing, etc.	60.00
14	do	Labor and material	50.00
14	Office Specialty Manufacturing Co.	Desk, etc	57.50
17	Jerry Nevett et al	Labor	4.50
18	John A. Power & Co	Plumbing	17.50
20	Craig & Harding	Chair, etc	6.75
21	James H. McGill	Cement	3.00
22	Wash. B. Williams	Window shades, etc.	33.88
22	do	do	3.40
23	Wm. Lowenthal	Office chair	5.00
30	Geo. A. Carter et al	Salaries	153.00
Dec. 13	Thos. Somerville & Sons	Plumbing, etc	56.66
16	Church & Stephenson	Lumber	92.12
18	W. B. Moses & Sons	Furniture, etc	141.77
18	Chas. D. Harvey	Plumbing	5.25
26	Jos. F. Collins	Labor and material	57.50
30	Easton & Rupp	Copying press and stand	15.00
30	Geo. A. Carter et al	Salaries	156.00
	Total second quarter		1,661.02
1894.			
Jan. 5	Church & Stephenson	Lumber	64.23
5	Ernest Betz	Repairing roof, etc.	20.10
8	L. H. Hopkins	Locks, etc	51.32
9	Wm. H. Lacy	Plastering	56.50
11	Hugh Reilly	White lead, etc.	14.08
17	Wm. H. Lacy	Plastering	35.00
17	Henry Chum	Jardinière	2.00
26	W. B. Moses & Sons	Rugs, etc	23.20
31	Geo. A. Carter et al	Salaries	159.00
Feb. 3	Wash. B. Williams	Window shades, etc.	8.20
3	John A. Power & Co	Plumbing	17.44
8	Craig & Harding	Furniture, etc	190.08
9	Belt & Dyer	Map rollers, etc.	1.75
17	Thos. Somerville & Sons	Steam fitting	8.60
21	Robt. Leitch & Sons	Wire screen, etc.	49.10
24	I. D. Gatewood	Repairing furniture	3.50
28	Geo. A. Carter et al	Salaries	130.50
Mar. 1	W. B. Moses & Sons	Cloth, etc	48.48
2	Robt. Leitch & Sons	Steam fitting	16.10
3	Wm. H. Lacy	Plastering	10.50
3	Wash. B. Williams	Carpets, etc.	130.64
6	Church & Stephenson	Lumber	125.42
7	Chas. A. Freedman	Map case, etc	16.00
10	Johnson & Luttrell	Cotton	6.50
14	Ernest Betz	Galvanized iron	1.30
14	do	Repairing, etc	90.90
16	Boswell, Copeland & Merkling	Mirrors	2.75
17	James H. McGill	Cement	3.00
21	Belt & Dyer	Molding	.90
24	Geo. Rynear, jr	Glass	3.30
26	John C. Parker	Slide case, etc	98.00
31	Geo. A. Carter et al	Salaries	381.50
	Total third quarter		1,769.89
Apr. 2	C. S. Kenfield	Cleaning clocks	4.25
7	Craig & Harding	Washstand, etc.	6.75
7	Wm. Halley	Map frames	21.25
7	L. H. Hopkins	Locks and hooks	2.10
7	John A. Power & Co	Plumbing	12.00



*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## FURNITURE, CASES, AND REPAIRS—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Apr. 11	Belt & Dyer .....	Lumber .....	\$16.75
11	C. S. Kenfield .....	Clock .....	1.20
11	Thos. Somerville & Sons .....	Pipe fittings, etc. ....	54.25
12	Wm. Ballantyne & Sons .....	Dictionary holder .....	5.50
12	Church & Stephenson .....	Lumber .....	264.28
13	do .....	do .....	50.96
13	Library Bureau .....	Index case .....	14.00
17	Thomas Somerville & Sons .....	Repairs .....	18.39
18	W. B. Moses & Sons .....	Desk cover .....	2.67
18	do .....	Table, etc. ....	1.95
18	Office Specialty Manufactur- ing Co. ....	Filing cabinet .....	160.00
19	Ernest Betz .....	Repairing roof, etc. ....	92.00
19	Wm. H. Lacey .....	Plastering .....	9.50
28	D. R. Stansbury & Co. ....	Zinc cases .....	112.00
30	Geo. A. Carter et al .....	Salaries .....	424.75
May 1	John A. Power & Co .....	Plumbing .....	6.50
5	Office Specialty Manufactur- ing Co. ....	File case .....	41.75
5	Hugh Reilly .....	White lead .....	12.56
14	Library Bureau .....	Index case .....	15.00
15	W. M. Whyte & Bro .....	Skylights .....	48.00
24	J. T. Walker Sons .....	Cement .....	9.00
28	Library Bureau .....	Index case and fittings ..	15.00
29	Wm. H. Lacy .....	Plastering .....	32.00
31	Geo. A. Carter et al .....	Salaries .....	467.00
June 1	I. D. Gatewood .....	Caning chairs .....	3.55
2	Pettit & Dripps .....	Grate bars .....	7.53
4	J. T. Walker Sons .....	Brick, etc. ....	63.00
4	Hugh Reilly .....	White lead .....	12.56
4	Benton Vernon .....	Repairing windows .....	20.00
7	Ernest Betz .....	Tinning .....	46.20
7	W. T. Walker & Co .....	Bricks .....	14.40
7	Office Specialty Manufactur- ing Co. ....	Binding cases .....	10.00
9	Belt & Dyer .....	Molding .....	3.00
9	Ernest Betz .....	Tinning .....	22.00
11	Library Bureau .....	Index cases, etc. ....	45.75
11	Chas. S. Jenkins .....	Map rack .....	55.00
16	Church & Stephenson .....	Lumber .....	60.00
16	J. T. Walker Sons .....	Resetting boilers .....	30.50
18	J. R. Francis .....	Paint .....	44.20
18	D. R. Stansbury & Co .....	Zinc cases .....	170.00
19	The Tucker File Co .....	Transfer cases, etc. ....	3.00
19	Church & Stephenson .....	Lumber .....	259.58
23	John C. Parker .....	Filing case .....	15.00
30	Geo. A. Carter et al .....	Salaries .....	457.00
	Total fourth quarter .....		3,264.08
	Supplemental.		
July 3	I. D. Gatewood .....	Repairs .....	6.00
3	W. T. Walker & Co .....	Bricks .....	3.60
3	Thos. Somerville & Sons .....	Repairs, etc. ....	35.29
5	Office Specialty Manufactur- ing Co. ....	Index cases .....	186.00
10	Thos. Somerville & Sons .....	Hardware .....	12.19
10	Wilmarth & Edmonston .....	Coolers, etc. ....	14.50
10	Wm. H. Douglas .....	Repairs .....	7.40
12	Ernest Betz .....	Tinning .....	25.47
12	J. T. Walker Sons .....	Brick, etc. ....	22.50
13	Library Bureau .....	Index cards, etc. ....	17.47
13	do .....	Index case .....	10.00
13	Pettit & Dripps .....	Castings, etc. ....	36.68
13	Church & Stephenson .....	Lumber .....	50.25
16	W. B. Moses & Sons .....	Matting, etc. ....	33.92
17	Wash. B. Williams .....	do .....	20.33
Sept. 4	W. B. Moses & Sons .....	Furnishings .....	30.50
	Total supplemental .....		512.10

## RECAPITULATION.

Total first quarter .....	\$1,421.67
Total second quarter .....	1,661.02
Total third quarter .....	1,769.89
Total fourth quarter .....	3,264.08
Total supplemental .....	512.10
Total .....	8,628.76

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## LIBRARY.

Date.	Name.	Nature of payment.	Total.
1893.			
July 18	Thos. Meehan & Son .....	Subscription .....	\$2.00
21	Robert Beall .....	Books .....	2.00
24	Orange Judd Co. ....	Subscription .....	5.00
24	N. E. Jones .....	do .....	375.00
27	Forest and Stream Publishing Co. ....	do .....	4.00
27	Wm. Bentenmuller .....	do .....	2.00
Aug. 3	American Field Publishing Co. ....	do .....	5.00
5	B. Westermann .....	Book .....	6.28
8	R. C. C. Vasey, administratrix ..	Books .....	60.00
8	do .....	do .....	18.50
14	N. L. Britton .....	do .....	3.00
14	S. T. Cameron .....	do .....	5.00
19	Luther Tucker & Son .....	Subscription .....	2.50
22	J. S. Seymour .....	do .....	9.00
22	B. L. Robinson .....	Book .....	.80
22	Evening Star Newspaper Co. ....	Subscription .....	5.28
24	Washington News Publishing Co. ....	do .....	4.75
25	The Press Publishing Co. ....	do .....	6.00
Sept. 9	Robert Beall .....	Book .....	4.00
9	H. C. Andrews .....	do .....	30.00
9	W. H. Lowdermilk & Co .....	Books .....	12.90
16	Em. Terquem .....	Book .....	17.78
27	W. H. Lowdermilk & Co .....	do .....	2.00
28	D. Weill .....	Importation of books .....	1.50
	Total first quarter .....		584.29
Oct. 3	Library Bureau .....	Book .....	2.50
4	Lumber Trade Journal .....	Subscription .....	2.00
10	Library Bureau .....	Oak trays, etc. ....	10.20
18	R. Friedlander & Son .....	Foreign publications .....	31.48
18	do .....	do .....	22.68
20	R. R. Bowker .....	Subscription .....	5.00
23	Wm. Ballantyne & Sons .....	do .....	46.78
28	W. H. Lowdermilk & Co .....	Book .....	2.25
28	Wm. Wesley & Son .....	do .....	18.45
28	A. E. Foote .....	Foreign publication .....	5.00
31	Paul Parey .....	Foreign publications .....	141.90
Nov. 1	Robert Beall .....	Book .....	2.00
2	W. H. Lowdermilk & Co .....	Books .....	14.20
2	do .....	Book .....	5.00
2	Carl Schoenhof .....	do .....	25.92
3	R. R. Gurley .....	do .....	.50
4	W. H. Lowdermilk & Co .....	do .....	3.20
4	R. Friedlander & Son .....	Foreign publications .....	14.37
13	W. H. Lowdermilk & Co .....	Book .....	10.00
13	do .....	do .....	6.00
17	do .....	do .....	2.95
17	do .....	do .....	2.80
17	do .....	do .....	2.80
17	do .....	do .....	3.00
17	A. Bouchereau .....	do .....	3.00
17	Montauriol Suc's .....	Atlas .....	15.00
17	Geo. H. Rigby .....	Book .....	7.50
18	Wm. Wesley & Son .....	do .....	29.50
24	A. H. Storer .....	Subscription .....	9.00
24	M. A. Hunt .....	Book .....	2.00
28	Rand. McNally & Co. ....	Atlas .....	35.00
Dec. 1	Wm. Wesley & Son .....	Book .....	11.80
12	F. E. Dodge .....	do .....	2.40
13	Entomological Society of Washington. ....	do .....	3.00
18	Robert Beall .....	do .....	1.75
18	A. E. Foote .....	do .....	.75
19	Wm. Wesley & Son .....	Subscription .....	29.57
19	Henry S. Dyer .....	Chart .....	2.50
20	W. H. Lowdermilk & Co .....	Books .....	1.80
20	do .....	Book .....	4.00
21	do .....	Books .....	13.65
30	Wm. Wesley & Son .....	do .....	11.00
	Total second quarter .....		564.20
1894.			
Jan. 3	Turner & Henderson .....	Book .....	5.66
3	J. Cardot .....	do .....	1.13
5	Wm. Wesley & Son .....	do .....	7.00
5	do .....	Books .....	7.50

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## LIBRARY—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Jan. 11	Wm. B. Dana & Co. ....	Subscription	\$10.00
11	W. H. Lowdermilk & Co. ....	Books	8.75
12	The Seeger & Guernsey Co. ....	Subscription	6.00
12	Houghton, Mifflin & Co. ....	Book	2.25
16	Boston Journal of Commerce Publishing Co. ....	Subscription	3.00
16	Wm. Wesley & Son	Books	37.12
17	M. K. Eyre	Book	4.50
17	The World Publishing Co.	Subscription	6.00
18	United States Express Co	Transportation	2.35
18	W. A. Lowdermilk & Co	Book	8.00
18	The Chicago Herald Co	Subscription	8.00
20	R. Friedlander & Son	Books	4.54
24	Wm. Wesley & Son	Foreign publications	9.64
24	Bailey & Fairchild	Subscription	2.75
24	Wm. Ballantyne & Sons	Book	40.00
26	Geo. N. Rider	do	21.00
Feb. 3	A. E. Foote	Books	18.75
6	Edwin Willits	Book	2.00
7	Wm. Wesley & Son	do	6.50
7	do	do	2.62
7	do	do	4.50
7	do	do	10.50
8	W. H. Lowdermilk & Co	do	5.00
8	Wilhelm Engelmann	Foreign publication	20.10
8	F. M. Crouse	Book	.75
14	A. E. Foot	do	2.50
14	W. H. Lowdermilk & Co	do	2.50
16	R. Friedlander & Son	Foreign publications	10.24
19	Howard, Lockwood & Co	Subscription	4.00
19	W. H. Lowdermilk & Co	Books	6.60
19	Will H. Groscup	Book	8.50
21	Gustav E. Stechert	do	2.50
Mar. 1	W. H. Lowdermilk & Co	Books	9.00
2	Paul Parey	Periodicals	55.21
2	Wm. Ballantyne & Sons	Subscription	92.85
2	Eyre and Spottiswoode	Papers	2.54
2	R. Friedlander & Son	Foreign publications	16.33
3	Wm. Wesley & Son	do	9.10
3	do	Book	3.75
3	do	do	1.87
9	Library Bureau	Label holders	15.00
9	Edward Lee Greene	Book	2.00
13	Wm. Wesley & Son	Foreign publications	9.85
13	do	Book	1.25
13	Em. Terquem	Foreign publications	14.71
21	The Forum Publishing Co	Subscription	.50
21	R. Friedlander & Son	Foreign publications	76.29
21	Cambridge Entomological Club	Pamphlets	1.50
21	List & Francke	Foreign publication	72.71
21	W. H. Lowdermilk & Co	Book	2.40
21	W. H. Lowdermilk & Co	Book	.50
22	Oswald Weigel	Foreign publication	1.75
	Total third quarter		691.86
Apr. 5	F. M. Crouse	Book	2.50
11	do	do	1.00
11	M. E. Mann	do	7.00
11	Eyre & Spottiswoode	do	1.28
14	Wm. Wesley & Son	do	6.25
16	Comstock Publishing Co.	do	2.00
16	Wm. Wesley & Son	Books	9.05
16	W. H. Lowdermilk & Co	Book	1.60
16	do	do	2.80
19	do	Books	11.25
24	F. A. Lucas	do	2.50
24	Howard, Lockwood & Co	Book	12.00
May 10	S. E. Cassino	do	2.09
10	Oswald Weigel	Foreign publications	24.13
10	Chas. W. Gurney	Book	2.00
10	L. H. Bailey	do	.50
15	A. E. Foote	do	1.50
23	Clapp & Co	do	2.00
23	Em. Terquem	Foreign publications	9.55
24	Geo. N. Rider	Book	7.00
24	A. E. Foote	do	3.20
June 11	R. Friedlander & Son	Subscription	30.32
11	do	do	29.69
13	W. H. Lowdermilk & Co	Book	9.25



*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## LIBRARY—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
June 18	W. H. Lowdermilk & Co .....	Book .....	\$0.60
19	do .....	do .....	7.50
	Total fourth quarter .....		188.56
	<i>Supplemental.</i>		
July 3	S. E. Cassino .....	Book .....	2.08
	Robert Beall .....	do .....	1.25
7	B. Westermann & Co .....	Foreign publications .....	6.88
13	J. E. Defebaugh .....	Subscription .....	2.00
26	Wm. Ballantyne & Sons .....	Books .....	22.00
27	Wm. Wesley & Son .....	Periodicals .....	143.40
27	W. H. Lowdermilk & Co .....	Books .....	70.00
31	R. Friedlander & Son .....	Foreign publications .....	46.18
31	Paul Parey .....	do .....	108.41
Aug. 1	John Mattes, Jr .....	Periodical .....	4.76
Sept. 4	Wm. Wesley & Son .....	Books .....	192.84
6	M. E. Mann .....	Book .....	7.00
	Total supplemental .....		606.80

## RECAPITULATION.

Total first quarter .....	\$584.20
Total second quarter .....	564.20
Total third quarter .....	691.86
Total fourth quarter .....	188.56
Total supplemental .....	606.80
Total .....	2,635.71

## POSTAGE.

Date.	Name.	Nature of payment.	Total.
1893.			
July 17	Washington City post-office .....	Postage stamps .....	\$275.00
24	do .....	do .....	430.00
Aug. 25	do .....	do .....	100.00
	Total first quarter .....		805.00
1894.			
Jan. 4	Washington City post-office .....	Postage stamps .....	50.00
6	do .....	do .....	260.00
Mar. 19	do .....	do .....	30.00
	Total third quarter .....		340.00
Apr. 2	Washington City post-office .....	Postage stamps .....	30.00
May 3	do .....	do .....	200.00
	Total fourth quarter .....		230.00

## RECAPITULATION.

Total first quarter .....	\$805.00
Total third quarter .....	340.00
Total fourth quarter .....	230.00
Total .....	1,375.00

Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## CONTINGENT EXPENSES.

Date.	Name.	Nature of payment.	Total.
1893.			
July 20	Herman Baumgarten	Repairs to stamp	\$2.50
20	Edwin Darcey	Hay	15.90
25	F. V. Coville	Traveling expenses	57.55
Aug. 2	E. S. Harnden	Traveling bag	8.00
2	S. A. Johnson	Duty on plants	.50
2	Laura Williams	Washing towels	25.00
4	Geo. Ryneal, jr.	White waste	8.50
4	Washington Gaslight Co.	Gas	67.25
4	J. Baumgarten & Son	Stamp and type	8.00
4	do	Repairing stamp	1.50
4	American Ice Co.	Ice	77.42
7	Murray & Barker	Shoeing horses	23.50
7	John H. Wilkerson	Inspecting boilers	30.00
7	United States Electric Light- ing Co.	Electric current	108.50
8	Lubroleine Oil Co.	Oil	64.16
8	Wm. Ballantyne & Sons	Wax, etc.	15.54
8	J. T. Thompson	Embossing	72.00
9	Geo. W. Knox Express	Freight	.92
14	Herman Baumgarten	Rubber stamps	4.00
14	Thos. Somerville & Sons	Gears	2.50
14	Wm. Bailey	Hay	11.11
16	Wm. A. Gaskins	Feed	30.26
16	Easton & Rupp	Stationery	\$85.89
17	E. Lavat	Express charges	.55
17	Adams Express Co.	Transportation	4.75
18	Wm. Ballantyne & Sons	Stationery	78.44
19	John McDermott & Bro.	Cleaning carriage lining	3.00
19	Johnson Bros.	Coal	1,967.37
22	India Alkali Works	Putz liquid	21.60
26	Harrison Green	Hay	13.95
26	John C. Parker	Stationery, etc	608.14
28	United States Express Co.	Transportation	5.85
28	do	do	3.70
30	W. G. Orr & Co.	Buckets	6.50
Sept. 2	Laura Williams	Washing towels	25.00
5	V. G. Fischer, Manager	Engraving, etc	12.60
5	J. Baumgarten & Son	Ink and stamp	3.25
5	James Cochrane	Hardware, etc.	11.15
5	United States Electric Light- ing Co.	Electric current	108.50
5	Western Union Telegraph Co.	Cablegrams	7.90
6	Murray & Barker	Shoeing horses	28.00
7	H. H. C. Dunwoody	Expenses	6.45
7	American Ice Co.	Ice	76.88
7	Washington Gas Light Co.	Gas	69.00
8	N. J. Welch	Hay	16.32
11	Talma Drew	Traveling expenses	18.25
12	Geo. W. Knox Express	Freight and drayage	.50
21	N. J. Welch	Hay	16.38
22	Bureau of Press Clippings	Newspaper clippings	15.50
22	Easton & Rupp	Stationery	190.83
22	John F. Stephenson	Freight	.40
26	Harris & Shafer	Cleaning clock	3.00
27	Wilmarth & Edmonston	Sweeps	18.00
29	F. O. Triplett	Straw	13.50
30	Chesapeake and Ohio Rwy. Co.	Transportation	26.00
	Total first quarter		4,401.74
Oct. 2	J. T. Thompson	Stamping paper, etc.	27.00
2	Geo. R. Seiffert	Type cleaner	2.50
2	do	Type cleaners	5.00
2	Laura Williams	Washing towels	25.00
2	S. H. Buckman	Hay	31.05
4	Belt Railway Co.	Car tickets	41.67
4	E. Morrison Paper Co.	Cardboard	2.64
5	J. Baumgarten & Sons	Stamps	8.00
5	Washington Gaslight Co.	Gas	35.50
6	United States Electric Light- ing Co.	Electric current	104.80
6	Jas. L. Barbour & Son	Soap, etc.	53.60
6	American Ice Co.	Ice	58.94
6	Murray & Barker	Shoeing horses	23.25
6	Geo. Ryneal, jr.	Chamois skins, etc	17.02
6	John C. Parker	Stationery, etc	492.55
7	Chesapeake and Potomac Tele- phone Co.	Telephone rent	106.25
11	John C. Parker	Typewriter supplies	39.52
13	C. Becker	Repairing harness, etc.	4.50

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Oct. 13	Adams Express Co .....	Transportation .....	\$8.80
17	L. H. Hopkins .....	Locks .....	8.00
17	do .....	Mops, etc .....	8.70
17	United States Express Co .....	Transportation .....	3.84
17	Baltimore & Ohio R. R. Co. ....	do .....	6.50
17	A. F. English .....	Telegram .....	.25
18	Library Bureau .....	Index cards .....	11.40
19	Geo. R. Seiffert .....	Type cleaners .....	7.50
20	Adams Express Co .....	Transportation .....	31.90
20	Armstrong & Co .....	Taking down awnings .....	10.15
23	Library Bureau .....	Numbering stamp, etc .....	78.50
23	do .....	Labels, etc .....	19.25
27	C. G. Sloan & Co .....	Auctioneer's services .....	12.50
28	Geo. R. Seiffert .....	Type cleaners .....	17.50
28	Postal Telegraph Cable Co. ....	Cablegrams .....	4.14
31	J. Sterling Morton .....	Expenses .....	71.75
Nov. 1	Wyckoff, Seamans & Benedict ..	Repairing typewriter, etc .....	5.00
1	Herman Baumgarten .....	Rubber stamps .....	3.00
1	Murray & Barker .....	Shoeing horses .....	22.25
2	Laura Williams .....	Washing towels .....	25.00
3	Fred. Springmann .....	Moving safe .....	15.00
3	J. B. Hammond .....	Mending saw .....	2.50
3	Easton & Rupp .....	Ink, etc .....	13.29
3	United States Electric Light- ing Co. ....	Electric current .....	108.50
3	Washington Gaslight Co. ....	Gas .....	28.38
4	J. Baumgarten & Sons .....	Repairing stamps, etc .....	10.90
6	Geo. Ryneal, jr. ....	Glue .....	3.55
6	Wm. A. Gaskins .....	Feed .....	124.46
6	Geo. Marx .....	Traveling expenses .....	37.75
8	American Ice Co. ....	Ice .....	56.56
9	E. E. James .....	Hay .....	33.80
13	Smithsonian Institution .....	Transportation of exchanges .....	3.65
13	Chesapeake and Potomac Tele- phone Co. ....	Moving telephones .....	2.60
14	J. B. Bryan & Bro. ....	Soap .....	13.50
14	J. T. Thompson .....	Stamping .....	18.00
16	Chas. Werner .....	Fuel .....	95.96
16	Johnson Bros .....	Coal .....	136.28
16	Pennsylvania R. R. Co .....	Transportation .....	26.00
18	Z. D. Gilman .....	Soap .....	1.20
18	W. B. Morgan .....	Magnesia coverings .....	19.66
20	Geo. W. Knox Express .....	Freight .....	1.23
20	F. A. Tschiffely .....	Brooms, etc .....	22.70
20	Pennsylvania R. R. Co .....	Transportation .....	26.00
22	Wm. Ballantyne's & Sons .....	Stationery, etc .....	18.43
22	India Alkali Works .....	Savogran .....	31.53
23	Emerson Smith & Co. ....	Band saw, etc .....	34.15
23	Trade Circular Addressing Co ..	Mailing lists .....	11.55
25	J. Baumgarten & Sons .....	Rubber stamps .....	.90
Dec. 1	Smith Premier Typewriter Co ..	Typewriter and ribbons .....	92.25
1	G. A. Whitaker .....	Fire balls .....	20.00
2	Laura Williams .....	Washing towels .....	26.97
4	Trade Circular Addressing Co ..	Lists .....	9.75
4	Murray & Barker .....	Shoeing horses .....	20.00
6	Marshall Field & Co. ....	Towels .....	32.00
6	United States Electric Light- ing Co. ....	Electric current .....	105.00
6	Washington Gaslight Co. ....	Gas .....	39.00
6	Adams Express Co .....	Transportation .....	1.80
6	John C. Parker .....	Remodeling typewriter .....	82.50
6	do .....	Stationery, etc .....	362.83
9	C. Becker .....	Repairing carriage robes, etc ..	24.35
9	J. T. Thompson .....	Embossing .....	32.00
9	J. Baumgarten & Sons .....	Stamps .....	12.30
9	do .....	Rubber stamp .....	1.75
11	American Ice Co. ....	Ice .....	44.24
11	Chas. Werner .....	Coal and wood .....	58.14
11	Western Union Telegraph Co. ...	Cablegram .....	1.71
12	Johnson Bros .....	Coal .....	88.02
13	The Standard Engraving Co. ....	Engraving .....	1.00
14	Chas. Werner .....	Coal .....	6.00
14	Dave Pettitt .....	Hay .....	10.23
18	Royce & Marean .....	Electric supplies, etc .....	9.60
19	United States Express Co .....	Transportation .....	2.55
21	Z. D. Gilman .....	Sponge .....	9.90
26	M. G. Copeland & Co. ....	Flag .....	6.75
26	Adams Express Co .....	Transportation .....	3.75
30	Easton & Rupp .....	Stationery, etc .....	350.52
	Total second quarter .....		3,837.66



*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Jan. 2	Laura Williams	Washing towels	\$29.91
2	J. Baumgarten & Sons	Repairing dater, etc	9.00
2	John Jones	Hay	29.95
3	Edwin Willits	Expenses	11.09
3	Thos. Somerville & Sons	Brushes, etc.	15.42
5	Thos. C. Warley	Boiler compound	10.00
5	Geo. Ryneal jr.	Brushes, etc.	13.50
5	John C. Parker	Index cards, etc.	998.52
5	do	Envelopes	135.15
8	Western Union Telegraph Co.	Telegrams	15.89
8	do	do	17.33
8	do	do	15.84
8	The Standard Engraving Co.	Engraving	1.50
8	J. T. Thompson	Embossing	23.27
8	United States Electric Light- ing Co.	Electric current	105.50
9	J. H. Chesley & Co.	Dusters, etc	24.61
11	Johnson Bros.	Coal	146.28
11	Robert Beall	Book	5.00
11	Hugh Reilly	Glass, etc	32.90
11	Chesapeake and Potomac Tele- phone Co.	Telephone rent	31.40
11	do	do	15.00
12	American Ice Co	Ice	40.18
12	L. H. Hopkins	Lantern globes	.90
12	Chas. Werner	Wood	71.10
12	Royce & Marean	Maintenance of clocks, etc	3.29
12	do	do	1.25
17	The Standard Engraving Co	Engraving	2.00
17	Sam'l. Springmann	Hauling	1.25
18	United States Express Co	Transportation	3.40
18	do	do	.60
20	Geo. R. Seiffert	Type cleaner	2.50
20	G. B. Brackett	Expenses	80.00
20	T. R. Brooks	Straw	10.35
23	Adams Express Co	Transportation	2.45
23	Chesapeake and Potomac Tele- phone Co.	Telephone rent	8.97
24	Smithsonian Institution	Transportation of exchanges	7.30
26	W. B. Moses & Sons	Window shade	.50
26	Baltimore and Ohio R. R. Co.	Transportation	6.50
30	Wm. H. Waddy	Rent of canvas	13.00
30	Harris & Shafer	Repairing ice pitcher	.75
30	Western Union Telegraph Co.	Telegrams	25.57
30	John C. Parker	Stationery	417.33
30	do	Typewriter ribbon	48.00
30	E. Morrison Paper Co.	Strawboard	7.50
Feb. 1	Wm. H. Mannakee	Hay	19.15
2	Western Union Telegraph Co.	Telegrams	17.22
2	Washington Gaslight Co.	Gas	63.63
2	J. Baumgarten & Sons	Stamps, etc	22.85
2	do	Seal	27.30
2	Laura Williams	Washing towels	27.67
3	Johnson Bros.	Coal	395.74
6	Z. D. Gilman	Soap	3.65
6	Geo. Ryneal, jr.	Glue, etc.	4.60
8	Murray & Barker	Shoeing horses	28.75
8	Washington Gaslight Co.	Gas	61.00
9	United States Electric Lighting Co.	Electric current	77.50
10	Chas. Werner	Coal	17.80
13	J. T. Thompson	Embossing	78.75
13	American Ice Co	Ice	40.04
13	Woodward & Lothrop	Towels, etc	5.50
13	Royce & Marean	Electrical supplies	11.15
13	E. Morrison Paper Co	Letterheads	2.25
17	Western Union Telegraph Co.	Cablegrams	20.00
17	C. S. Kenfield	Cleaning clocks, etc	6.00
17	Browning & Middleton	Matches	3.75
19	Royce & Marean	Changing wires, etc	20.00
21	Bureau of Press Clippings	Clippings	31.32
21	Adams Express Co.	Transportation	4.05
23	Frances M. Brown	Hay	41.00
24	Wyckoff, Seamans & Benedict	Adjusting typewriters	1.00
24	Armstrong & Co	Awning-frame covers	83.85
24	Geo. W. Knox Express	Freight and drayage	3.69
Mar. 1	W. B. Moses & Sons	Covering desk	4.89
1	do	Cleaning carpets, etc	168.10
2	John Royle & Sons	Wrench	1.15
2	D. W. Walford	Revolver	10.00

## EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

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*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Mar. 2	John C. Parker .....	Stationery, etc .....	\$569.53
2	do .....	Typewriter oil .....	3.40
2	American Book Co. ....	Books .....	25.00
2	J. Baumgarten & Sons ..	Stamps .....	3.95
2	Washington Gaslight Co.	Gas .....	62.38
2	Laura Williams .....	Washing towels .....	29.41
6	Wm. E. Clark & Co .....	Buckets, etc. ....	2.75
6	Church & Stephenson ..	Lumber .....	49.48
6	J. H. Chesley & Co .....	Brooms .....	10.68
6	Woodward & Lothrop ..	Combs and brushes ..	10.50
7	E. M. Willis .....	Ice .....	35.42
7	United States Electric Lighting Co.	Electric current .....	69.50
7	Johnson Bros. ....	Coal .....	166.87
8	James B. Lambie .....	Wire .....	.63
8	Chas. Werner .....	Wood .....	47.40
9	Browning & Middleton ..	Soap .....	19.00
12	Johnson Bros. ....	Coal .....	379.24
13	United States Express Co	Transportation .....	18.75
13	do .....	do .....	7.85
13	do .....	do .....	5.85
13	do .....	do .....	3.85
13	do .....	do .....	3.75
13	do .....	do .....	3.15
14	Springman's Express .....	Hauling .....	12.00
14	Murray & Barker .....	Shoeing horses .....	40.13
14	Z. D. Gilman .....	Sponge .....	11.00
15	J. Sterling Morton .....	Expenses .....	39.75
16	Chas. Werner .....	Wood .....	4.74
16	C. Becker .....	Repairs .....	6.30
16	James Cochrane .....	Clamps, etc. ....	34.50
16	Adams Express Co .....	Transportation .....	13.30
16	do .....	do .....	5.40
16	do .....	do .....	3.50
16	do .....	do .....	3.00
16	do .....	do .....	6.00
16	do .....	do .....	3.15
16	do .....	do .....	1.40
16	do .....	do .....	1.60
16	do .....	do .....	1.75
16	Geo. W. Knox Express .....	Freight and drayage ..	12.68
17	Royce & Marean .....	Electric buzz .....	5.00
17	United States Express Co	Transportation .....	8.45
17	J. T. Thomson .....	Embossing .....	84.75
19	Bureau of Press Clippings	Clippings .....	5.54
20	Easton & Rupp .....	Stationery, etc .....	138.09
21	James B. Lambie .....	Tacks .....	.48
21	Western Union Telegraph Co	Telegrams .....	11.06
21	Belt Rwy. Co .....	Car tickets .....	41.50
22	John McDermott & Bro ..	Repairing carriage ..	5.00
23	The Standard Engraving Co.	Stereotyping .....	1.50
24	Western Union Telegraph Co	Telegrams .....	12.51
24	Geo. Ryneal, jr .....	Varnish, etc. ....	16.65
26	John C. Parker .....	Paper .....	253.00
1893.			
Nov. 17	John McDermott & Bro ..	Repairing carriage ..	7.25
17	do .....	do .....	38.00
17	do .....	do .....	3.25
Total third quarter .....			6,105.88
1894.			
Feb. 21	Adams Express Co .....	Transportation .....	10.85
Apr. 2	E. Morrison Paper Co ..	Paper .....	6.00
2	United States Express Co	Transportation .....	3.40
2	Johnson Bros. ....	Coal .....	50.73
2	C. Schneider .....	Staples, etc .....	1.20
2	F. P. May & Co .....	Screw-driver .....	.50
2	Western Union Telegraph Co	Telegrams .....	8.06
2	Laura Williams .....	Washing towels .....	32.86
2	American Distributing Co	Alcohol .....	47.04
3	Cushman & Denison .....	Paper clips .....	3.75
3	Wm. Ballantyne & Sons ..	Stationery .....	68.83
3	do .....	do .....	63.16
3	E. M. Willis .....	Ice .....	44.38
4	J. Karr .....	Repairing clock .....	1.00
4	Murray & Barker .....	Shoeing horses .....	20.75
5	J. H. Chesley & Co .....	Scissors, etc .....	14.53
5	Washington Gaslight Co	Gas .....	53.25
5	do .....	do .....	9.25
5	do .....	do .....	.25

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Apr. 6	Geo. Ryneal, Jr	Cotton waste, etc	\$13.40
6	Hugh Reilly	White lead, etc	15.56
6	United States Electric Light- ing Co.	Electric current	77.50
6	Z. D. Gilman	Nailbrushes	1.37
6	J. S. Crupper	Hay	17.77
7	E. Morrison Paper Co	Cardboard	10.00
7	L. H. Hopkins	Hardware	55.04
7	do	do	6.95
11	J. T. Walker Sons	Tar	5.00
12	Church & Stephenson	Lumber	21.37
13	E. Morrison Paper Co	Pulp board	8.85
14	Norwalk Lock Co	Keys	.45
17	Stephenson's Express	Freight	.30
18	M. W. Beveridge	Lining pitcher, etc	2.35
18	F. Springman's Express	Freight, etc	4.26
18	Office Specialty Manufactur- ing Co.	Paper	7.50
18	John C. Parker	Stationery, etc	318.07
19	Ernest Betz	Pipe, etc	5.70
19	Chas. Werner	Wood	18.96
20	Geo. W. Knox Express Co.	Freight and drayage	3.05
21	W. W. Chambers	Horse	80.00
21	Wyckoff, Seamans & Benedict.	Repairs to typewriter	6.01
21	do	do	.50
21	do	do	.50
23	Royce & Marean	Maintenance of clock	1.25
23	Adams Express Co.	Transportation	63.00
23	United States Express Co	do	18.70
24	Wyckoff, Seamans, & Benedict.	Repairs to typewriter, etc	8.61
25	S. A. Johnson	Storage, etc	.50
25	P. P. Wood, agent	Freight	14.50
25	American Book Co	Books	25.00
25	C. G. Sloan & Co	Service of auctioneer	8.26
28	Photo-Engraving Co	Photo-engravings	2.80
28	John McDermott & Co.	Repairs	1.50
28	Armstrong & Cooke	Putting up awnings	25.22
30	J. H. Truax	Hay	22.99
May 1	J. T. Thomson	Engraved envelopes	6.75
1	Herman Baumgarten	Pads and stamps	6.25
1	do	Stamp	.25
1	Wyckoff, Seamans & Benedict	Typewriter, etc	119.45
1	Andrew J. Joyce's Sons	Concelette	400.00
2	Smithsonian Institution	Transportation of exchanges	8.75
2	Melville Lindsay	Rubber coat and lap robe	6.25
2	Laura Williams	Washing towels	33.82
3	Yost Writing Machine Co	Type	3.30
3	E. M. Willis	Ice	44.10
4	Herman Baumgarten	Ink pad	1.62
4	do	Stamp	.25
4	M. A. Tappan	Whistles	1.50
4	Washington Gaslight Co.	Gas	60.75
5	Thomas Taylor	Freight	3.65
5	Lutz & Bro	Straps, etc	13.00
5	C. S. Kenfield	Repairing clock	1.50
5	Hugh Reilly	Brushes, etc	31.95
5	Z. D. Gilman	Soap	.64
9	Armstrong & Cooke	Awnings	19.50
9	United States Electric Light- ing Co.	Electric current	74.50
9	Wm. A. Gaskins	Feed	118.64
10	Herman Baumgarten	Stamp	1.00
10	United States Express Co	Transportation	28.35
14	L. H. Schneider's Son	Chisel	.35
15	New York Times Publishing Co	Advertising	40.25
15	Geo. W. Knox Express	Freight	14.60
15	Kate Field's Washington	Advertising	5.88
15	The Capitol Publishing Co	do	4.00
16	The Chicago Herald Co	do	27.50
16	Nebraska State Journal	do	6.90
16	The Record Publishing Co	do	24.00
16	Times Printing Co	do	7.85
16	Washington News Publishing Co.	Advertising	12.00
16	Adams Express Co.	Transportation	55.51
16	Murray and Barker	Shoeing horses	22.25
17	The Times-Democrat	Advertising	16.80
17	Lubroleine Oil Co.	Oil	4.13
17	J. T. Walker Sons	Cement and lime	10.50
17	Johnson Bros	Coal	118.40



Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
May 17	The American Farmer.....	Advertising.....	\$10.00
21	Kansas City Times Newspaper Co.....	do.....	17.25
21	The Press Printing and Publishing Co.....	do.....	3.50
21	John C. Parker.....	Envelopes.....	265.00
22	W. A. Pate.....	Blacksmith's supplies.....	56.64
24	Rudolph Indexer Co.....	Card cutter.....	15.00
24	William Ballantyne & Sons.....	Stationery.....	25.20
28	John McDermott & Bro.....	Repairing carriage.....	7.05
28	James Reid.....	Hay.....	15.82
29	Easton & Rupp.....	Stationery.....	230.61
29	Nelson Morgan.....	Straw.....	8.93
June 1	Johnson Bros.....	Coal.....	22.75
2	Western Union Telegraph Co.....	Telegrams.....	24.84
2	Laura Williams.....	Washing towels.....	33.11
4	James S. Topham.....	Lock, etc.....	2.25
4	George Ryneal, jr.....	Zinc, etc.....	9.25
4	Hugh Reilly.....	White lead.....	12.56
4	Smith Premier Typewriter Co.....	Typewriter, etc.....	87.50
4	Murray & Barker.....	Shoeing horses.....	13.00
4	E. M. Willis.....	Ice.....	62.58
4	Washington Gaslight Co.....	Gas.....	11.25
4	do.....	do.....	30.75
7	W. C. Newton & Co.....	Card cutter.....	12.00
8	New York Staats Zeitung.....	Advertising.....	16.25
8	Z. D. Gilman.....	Fly paper.....	1.60
9	A. S. Abell Co.....	Advertising.....	13.20
9	William Ballantyne & Sons.....	Copying press, etc.....	10.25
9	do.....	Stationery.....	15.34
9	John C. Parker.....	Typewriter supplies.....	62.75
11	The Chicago Herald Co.....	Advertising.....	25.00
11	U. S. Electric Lighting Co.....	Electric current.....	77.50
11	C. Becker.....	Repairing harness, etc.....	3.90
12	United States Express Co.....	Transportation.....	32.50
12	do.....	do.....	.55
13	C. Schneider.....	Hardware.....	1.25
13	Geo. Ryneal, jr.....	Paper.....	2.25
13	Adams Express Co.....	Transportation.....	45.90
16	W. A. Pate.....	Iron, etc.....	12.78
16	Geo. W. Knox Express.....	Freight and drayage.....	8.41
16	J. H. Truax.....	Hay.....	16.80
18	R. Shorrock.....	Photographs.....	1.75
18	Washington Post Co.....	Advertising.....	18.36
18	W. C. Newton & Co.....	Printers' supplies.....	25.50
19	Thaddeus Davids Co.....	Marking ink.....	2.00
19	Western Union Telegraph Co.....	Telegrams.....	31.47
19	do.....	do.....	6.90
21	Chesapeake and Potomac Telephone Co.....	Telephone rent.....	108.75
22	New York Times Publishing Co.....	Advertising.....	45.50
23	John C. Parker.....	Stationery.....	415.39
23	do.....	Envelopes.....	31.20
23	do.....	Library cards.....	12.00
23	do.....	do.....	11.25
23	do.....	Cases, etc.....	8.10
23	do.....	do.....	4.60
23	do.....	Perforator.....	1.50
23	H. E. Armstrong.....	Awnings.....	12.50
25	John McDermott & Bro.....	Repairing carriages.....	19.00
25	do.....	do.....	.75
28	J. Sterling Morton.....	Expenses.....	26.25
30	Laura Williams.....	Washing towels.....	28.91
	Total fourth quarter.....		4,803.93
	Supplemental.		
July 3	John C. Parker.....	Type wheel, etc.....	5.25
6	E. M. Willis.....	Ice.....	75.04
6	Fred. A. Schmidt.....	Wire, etc.....	2.15
6	Wm. A. Gaskins.....	Feed.....	76.46
6	Washington Gaslight Co.....	Gas.....	36.00
6	Z. D. Gilman.....	Fly paper, etc.....	5.00
7	N. V. Randolph & Co.....	Binders.....	41.00
10	United States Electric Lighting Co.....	Electric current.....	75.00
10	L. H. Hopkins.....	Hardware.....	107.86
10	Wilmarth & Edmonston.....	Mops, etc.....	11.23
10	Royce & Marean.....	Maintenance of clock.....	1.25

Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1894.			
July 13	Church & Stephenson	Lumber	\$44.55
16	Bureau of Press Clippings	Clippings	15.60
17	Western Union Telegraph Co.	Cablegram	1.40
17	James S. Topham	Lock, etc	2.25
17	Stephenson's Express	Freight	.40
17	Geo. W. Knox Express	Freight and drayage	15.89
21	Adams Express Co.	Transportation	34.37
23	Western Union Telegraph Co.	Telegrams	16.38
25	John C. Parker	Stationery	117.60
25	do	Remodeling typewriter	30.00
Aug. 2	Wm. Ballantyne & Sons	Stationery	4.87
2	Easton & Rupp	do	91.20
2	Browning & Middleton	Whisk brooms	3.50
3	J. Sterling Morton	Traveling expenses	14.75
8	Easton & Rupp	Paper	4.00
10	Wyckoff, Seamans & Benedict	Repairs to typewriters, etc	2.10
10	do	do	17.00
17	Samuel Springmann	Hauling	.75
17	Wyckoff, Seamans & Benedict	Repairs to typewriter	3.00
17	do	Typewriter	87.75
23	Royce & Marean	Electrical supplies	18.00
27	United States Express Co.	Transportation	62.95
Sept. 8	Adams Express Co.	do	1.50
18	C. Becker	Repairs, etc.	1.65
	Total supplemental		1,027.65

## RECAPITULATION.

Total first quarter	\$4,401.74
Total second quarter	3,837.66
Total third quarter	6,105.88
Total fourth quarter	4,803.93
Total supplemental	1,027.65
Total	20,176.86

## EXPERIMENT STATIONS.

Date.	Name.	Nature of payment.	Total.
1893.			
July 24	J. Baumgarten & Son	Ink and pad	\$1.00
31	A. W. Harris et al	Salaries	1,433.82
Aug. 5	W. O. Atwater	Salary	151.60
17	Photo-Engraving Co.	Plates	13.46
22	Adams Express Co.	Transportation	4.00
30	John C. Parker	Cards	6.75
31	W. O. Atwater	Salary	101.10
31	A. W. Harris et al	Salaries	1,476.10
Sept. 12	Geo. R. Seiffert	Typewriter cleaners	7.50
27	U. S. Express Co.	Transportation	1.85
30	A. W. Harris et al	Salaries	1,405.68
	Total first quarter		4,602.86
Oct. 4	W. O. Atwater	Salary	97.80
6	John C. Parker	Straw board, etc.	14.00
7	Chesapeake and Potomac Telephone Co.	Telephone rent	30.00
13	Adams Express Co.	Transportation	1.75
20	J. H. Mills & Co.	Stamp	2.50
31	W. O. Atwater	Salary	101.10
31	A. C. True et al.	Salaries	1,383.51
Nov. 2	S. E. Black	Traveling expenses	35.50
4	A. C. True	do	57.00
30	A. C. True et al.	Salaries	1,383.78
Dec. 1	Chesapeake and Ohio Ry Co.	Transportation	26.00
1	W. O. Atwater	Salary	97.80
1	Office Specialty Manufacturing Co.	Labels, etc.	13.80
4	Illinois Central R. R. Co.	Transportation	3.83
6	John C. Parker	Stationery, etc.	143.55
13	E. W. Allen	Expenses	9.84
16	Pennsylvania R. R. Co.	Transportation	17.00
22	Wyckoff, Seamans & Benedict	Adjusting typewriter, etc.	1.10

Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## EXPERIMENT STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Dec. 26	Levytype Co.....	Plates.....	\$7.00
26	J. Christian Bay.....	Book.....	30.00
26	Adams Express Co.....	Transportation.....	2.60
30	W. O. Atwater.....	Salary.....	101.10
30	A. C. True et al.....	Salaries.....	1,473.81
	Total second quarter.....		5,034.37
1894.			
Jan. 3	Chicago and Northwestern Ry. Co.....	Transportation.....	7.84
11	E. W. Allen.....	Expenses.....	5.40
12	Levytype Co.....	Photo-engraving, etc.....	35.50
18	United States Express Co.....	Transportation.....	1.60
18	F. W. Woll.....	Translating.....	105.00
26	Photo-Engraving Co.....	Plates, etc.....	23.45
31	A. C. True et al.....	Salaries.....	1,509.60
Feb. 1	W. O. Atwater.....	Salary.....	103.30
20	H. B. Gibson.....	Services.....	46.20
20	L. R. Carnahan.....	do.....	17.50
24	Wyckoff, Seamans & Benedict.....	Repairing typewriters.....	13.86
28	W. O. Atwater.....	Salary.....	93.40
28	A. C. True et al.....	Salaries.....	1,440.60
Mar. 2	John C. Parker.....	Stationery.....	15.90
3	W. O. Atwater.....	Expenses.....	40.10
3	do.....	do.....	6.75
6	Tice & Lynch.....	Freight, etc.....	10.63
14	Westcott & Thomson.....	Electros.....	6.00
21	J. M. McBryde.....	Services.....	25.00
27	Tice & Lynch.....	Freight, etc.....	12.83
31	W. O. Atwater.....	Salary.....	103.30
31	Levytype Co.....	Plates.....	29.00
31	A. C. True et al.....	Salaries.....	1,634.59
	Total third quarter.....		5,287.35
Apr. 11	L. R. Carnahan.....	Services.....	21.17
11	C. F. Langworthy.....	do.....	120.00
11	H. B. Gibson.....	do.....	138.05
11	C. D. Woods.....	do.....	150.00
11	W. C. Newton & Co.....	Printers' supplies.....	28.50
12	Photo-Engraving Co.....	Photo-engraving.....	4.70
23	A. C. True.....	Traveling expenses.....	6.35
24	Office Specialty Manufacturing Co.....	Paper.....	15.00
30	W. O. Atwater.....	Salary.....	98.90
30	A. C. True et al.....	Salaries.....	1,707.23
May 1	John C. Parker.....	Type, etc.....	12.55
1	F. P. May & Co.....	Brackets.....	.30
10	Whitall, Tatam & Co.....	Jars.....	8.08
14	L. H. Schneider's Son.....	Wire.....	1.43
17	A. B. Gibson.....	Services.....	100.10
17	C. F. Langworthy.....	Salary.....	60.00
17	W. C. Newton & Co.....	Type.....	12.98
21	Geo. Ryneal, jr.....	Brush.....	.30
29	H. H. Brown.....	Thermometer.....	.40
31	A. C. True et al.....	Salaries.....	1,871.84
June 1	W. O. Atwater.....	Salary.....	102.20
9	C. F. Langworthy.....	Services.....	60.00
9	L. R. Carnahan.....	do.....	53.28
12	A. C. True.....	Expenses.....	8.45
14	Pennsylvania R. R. Co.....	Transportation.....	10.00
14	Harry Hammond.....	Expenses.....	64.55
25	Baltimore & Ohio R. R. Co.....	Transportation.....	17.40
28	E. Morrison Paper Co.....	Stationery.....	1.50
28	Office Specialty Manufacturing Co.....	Binding cases.....	15.00
30	A. C. True et al.....	Salaries.....	1,866.96
	Total fourth quarter.....		6,557.22
	Supplemental.		
July 2	H. B. Gibson.....	Services.....	33.55
2	W. O. Atwater.....	Salary.....	98.90
14	J. L. Watkins.....	Services.....	75.00
14	P. P. Dcherain.....	do.....	100.00
Aug. 2	John C. Parker.....	Bookcase, etc.....	13.10
8	do.....	Stationery.....	13.50
	Total supplemental.....		334.05



*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## EXPERIMENT STATIONS—Continued.

## RECAPITULATION.

Total first quarter .....	\$4,602.86
Total second quarter .....	5,034.37
Total third quarter .....	5,287.35
Total fourth quarter .....	6,557.22
Total supplemental .....	334.05

Total .....	21,815.85
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## INQUIRIES RELATING TO PUBLIC ROADS.

Date.	Name.	Nature of payment.	Total.
1893.			
Oct. 24	Roy Stone	Traveling expenses	\$31.65
31	do	Salary	197.01
Nov. 30	do	do	203.80
Dec. 6	Adams Express Co.	Transportation	1.30
26	do	do	8.55
30	Roy Stone	Salary	210.60
	Total second quarter .....		652.91
1894.			
Jan. 17	Pennsylvania R. R. Co.	Transportation	10.48
17	New York Central and Hudson River R. R. Co.	do	8.12
17	Roy Stone	Traveling expenses	29.66
23	Adams Express Co.	Transportation	6.55
31	Roy Stone	Salary	215.30
Feb. 12	do	Expenses	10.65
14	Pennsylvania R. R. Co.	Transportation	7.25
20	Roy Stone	Expenses	25.87
21	do	do	29.40
23	J. C. Brauner	Services	6.75
28	Roy Stone	Salary	194.40
Mar. 5	do	Expenses	17.40
14	New York Central and Hudson River R. R. Co.	Transportation	16.00
14	Pennsylvania R. R. Co.	do	36.90
17	Roy Stone	Expenses	29.70
27	do	do	39.45
31	do	Salary	215.30
	Total third quarter .....		897.18
Apr. 6	Roy Stone	Expenses	10.31
6	do	do	7.00
11	Pennsylvania R. R. Co.	Transportation	43.35
18	New York Central and Hudson River R. R. Co.	do	12.00
25	Crandall Bros.	Photographs	3.00
27	Utica Daily Press Co.	Copies of newspaper	3.65
30	Roy Stone	Salary	275.20
May 5	Photo-Engraving Co.	Engraving	11.75
7	Roy Stone	Expenses	51.18
14	Pennsylvania R. R. Co.	Transportation	3.51
16	Photo-Engraving Co.	Engraving	3.45
19	Roy Stone	Expenses	38.25
31	Roy Stone et al.	Salaries	331.04
7	Photo-Engraving Co.	Engraving	2.95
7	Roy Stone	Expenses	27.75
14	Pennsylvania R. R. Co.	Transportation	15.29
16	Levytype Co.	Plates	36.75
16	do	do	31.50
16	New York, New Haven and Hartford R. R. Co.	Transportation	4.50
18	Roy Stone	Expenses	17.51
25	Charlotte, Columbia and Augusta R. R. Co.	Transportation	16.50
25	Richmond and Danville R. R. Co.	do	16.50
30	Roy Stone et al.	Salaries	335.20
	Total fourth quarter .....		1,298.14
	Supplemental.		
July 10	Roy Stone	Expenses	14.45
13	Bureau of Press Clippings	Clippings	9.14
13	Photo-Engraving Co.	Plates	16.35
13	Jno. C. Tipton	Expenses	8.60
13	Edw'd Burrough	Services	50.00

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## INQUIRIES RELATING TO PUBLIC ROADS—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1894.			
July 25	Pennsylvania R. R. Co.....	Transportation.....	\$13.39
31	Edw'd Burrough.....	Photographs.....	14.00
Aug. 2	Maurice Joyce Engraving Co.....	Engraving.....	1.00
2	do.....	do.....	1.50
2	do.....	do.....	10.12
Sept. 18	Baltimore and Ohio R. R. Co.....	Transportation.....	4.15
	Total supplemental.....		142.70

## RECAPITULATION.

Total second quarter.....	652.91
Total third quarter.....	897.18
Total fourth quarter.....	1,298.14
Total supplemental.....	142.70
Total.....	2,990.93

## EXPERIMENTS IN THE MANUFACTURE OF SUGAR.

Date.	Name.	Nature of payment.	Total.
1893.			
July 31	Fred Weaver.....	Livery hire.....	\$20.00
31	A. M. Parsons.....	Expenses.....	20.00
31	Joe Clemmings et al.....	Labor.....	23.75
Aug. 2	D. C. Sutton.....	Salary.....	101.10
3	Walter Maxwell.....	do.....	151.60
3	A. M. Parsons.....	Rent.....	20.00
3	Geo. Selzer et al.....	Labor.....	100.50
3	C. I. Hinman.....	Salary.....	101.10
9	Joe Clemmings et al.....	Labor.....	21.50
9	Eli Benedict et al.....	Livery hire.....	360.63
9	Geo. W. Knox Express.....	Freight and drayage.....	20.36
9	T. W. Hill.....	Feed.....	17.20
19	E. J. Pullman.....	Photographic supplies.....	8.40
22	Adams Express Co.....	Transportation.....	1.60
23	Springman's Express.....	Freight.....	19.20
31	Oma Carr.....	Salary.....	95.65
31	Walter Maxwell.....	do.....	151.60
Sept. 4	Geo. Selzer et al.....	Labor.....	120.00
5	C. I. Hinman.....	Salary.....	101.10
7	A. M. Parsons.....	Rent.....	20.00
7	D. C. Sutton.....	Salary.....	101.10
15	Joe Clemmings.....	Labor.....	33.75
15	Oma Carr.....	Expenses.....	52.65
16	Z. D. Gilman.....	Sand, etc.....	8.91
23	E. J. Pullman.....	Photographic supplies.....	4.30
30	D. C. Sutton.....	Salary.....	97.80
30	Joe Clemmings et al.....	Labor.....	21.25
	Total first quarter.....		1,795.05
Oct. 3	C. I. Hinman.....	Salary.....	97.80
3	Oma Carr.....	do.....	130.40
4	F. W. Nieman.....	Livery hire.....	8.25
4	Wells & Nieman.....	do.....	7.50
4	A. M. Parsons.....	Rent.....	20.00
4	Geo. Selzer et al.....	Labor.....	72.75
7	Joe Clemmings et al.....	do.....	29.25
10	Walter Maxwell.....	Salary.....	146.80
13	Adams Express Co.....	Transportation.....	22.35
18	E. F. Hinman et al.....	Labor.....	147.43
18	B. F. Kercheval et al.....	do.....	23.87
20	C. W. Grinstead.....	Cloth.....	4.48
20	Joe Clemmings et al.....	Labor.....	26.00
31	Walter Maxwell.....	Salary.....	151.60
31	D. C. Dutton.....	do.....	101.10
Nov. 1	Oma Carr.....	do.....	134.80
9	Joe Clemmings et al.....	Labor.....	31.50
13	C. I. Hinman.....	Salary.....	101.10
14	Geo. Selzer et al.....	Labor.....	112.50
14	Wells & Nieman.....	Livery hire.....	25.00
14	F. W. Nieman.....	Hauling.....	13.75
14	A. M. Parsons.....	Rent.....	9.68
14	B. F. Kercheval et al.....	Labor.....	194.30
22	O. L. Day.....	Acetate of lead.....	16.50

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## EXPERIMENTS IN THE MANUFACTURE OF SUGAR—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Nov. 22	Joe Clemmings et al	Labor	\$25.25
23	Oma Carr	Expenses	34.75
24	Walter Maxwell	Salary	58.70
30	Oma Carr	do.	180.40
Dec. 1	F. W. Hill	Supplies	4.35
2	D. C. Sutton	Salary	97.80
1	J. D. Karr	Acetate of lead, etc	.85
2	C. I. Hinman	Salary	97.80
4	L. M. Field	Oil	.40
6	Adams Express Co	Transportation	8.15
11	Garrison & Corson	Blacksmithing, etc.	2.80
12	Noble & Case	Hardware	3.25
12	Joe Clemmings et al	Labor	80.25
14	Wells & Nieman	Livery hire	3.75
14	Geo. Selzer et al	Labor	18.00
18	Atchison, Topeka and Santa Fe R. R. Co.	Transportation	8.35
20	C. I. Hinman	Livery hire	23.00
20	do	do	21.00
20	do	do	48.00
20	do	do	38.00
20	do	do	14.00
26	Walter Maxwell	Services	150.00
30	D. C. Sutton	Salary	101.10
	Total second quarter		2,548.66
1894.			
Jan. 3	C. I. Hinman	Salary	47.91
3	Joe Clemmings et al	Labor	34.00
17	do	do	35.50
18	United States Express Co	Transportation	1.80
20	Joe Clemmings et al	Labor	56.75
23	Adams Express Co	Transportation	4.40
25	Geo. W. Knox Express	Freight and drayage	14.85
Feb. 1	D. C. Sutton	Salary	103.30
3	E. J. Pullman	Photographic plates	4.20
16	William Hall	Livery hire	11.62
16	F. W. Hill	Feed	13.20
16	J. W. Watson	Steam pipes, etc	102.18
17	Joe Clemmings et al	Labor	83.25
17	Joe Clemmings	Livery hire	13.00
17	Pennsylvania R. R. Co	Transportation	17.50
19	Atchison, Topeka and Santa Fe R. R. Co.	do	39.22
20	D. C. Sutton	Freight	4.88
21	Adams Express Co	Transportation	1.45
23	E. J. Pullman	Paper	1.50
23	United States Express Co	Transportation	17.95
26	Eli Benedict	Rent	80.83
26	Lookout Sewer Pipe Co	Tiling	83.45
26	I. H. Dawe	Lumber	102.00
26	Joe Clemmings et al	Labor	63.50
27	I. P. Roosa	Duty, etc	4.25
Mar. 6	E. J. Wickson	Salary and expenses	72.97
8	do	do	36.80
9	Joe Clemmings et al	Labor	90.00
12	D. C. Sutton	Salary	93.40
14	Geo. W. Horney	Labor and drayage	19.50
20	J. W. Watson	Pipe dies, etc	11.85
21	Joe Clemmings et al	Labor	180.75
21	H. W. Wiley	Expenses	142.70
22	do	do	7.21
	Total third quarter		1,688.67
Apr. 2	D. C. Sutton	Salary	103.30
2	Wilson & Toomer	Fertilizer	106.80
3	Eli Benedict	Rent	40.42
14	Joe Clemmings et al	Labor	142.25
16	J. W. Watson	Harrow, etc	55.02
16	F. W. Hill	Feed	38.88
17	J. D. Boyd	Cane seed	200.00
21	Joe Clemmings et al	Labor	76.78
30	D. C. Sutton	Salary	98.90
30	T. C. Trescot	do	115.40
May 3	Geo. Selzer et al	Labor	86.15
5	John C. Parker	Library numbers	2.50
5	T. C. Trescot	Expenses	60.55
10	Joe Clemmings et al	Labor	62.50
10	J. W. Watson	Hardware, etc	108.46
10	The Ocala Lime Co.	Lime	60.00



*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## EXPERIMENTS IN THE MANUFACTURE OF SUGAR—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
May 14	Pennsylvania R. R. Co .....	Transportation .....	\$29.75
24	Joe Clemmings et al .....	Labor .....	57.50
June 2	D. C. Sutton .....	Salary .....	102.20
9	Joe Clemmings et al .....	Labor .....	63.00
13	C. C. Winsett et al .....	do .....	74.04
13	L. E. Niestrath .....	Hauling, etc .....	28.50
13	E. J. Pullman .....	Photographic supplies .....	3.50
14	Savannah, Florida and West- ern Rwy. Co. ....	Transportation .....	55.04
14	Savannah, Florida and West- ern Rwy. Co. (South Florida Division) .....	Drain tile .....	92.50
16	J. W. Watson .....	Supplies .....	12.66
18	Pennsylvania Co .....	Transportation .....	17.50
28	H. W. Wiley .....	Expenses .....	139.10
	Total fourth quarter .....		2,087.20
	<i>Supplemental.</i>		
July 2	Wabash R. R. Co. ....	Transportation .....	7.50
2	E. J. Wickson .....	Expenses .....	127.36
3	F. W. Hill .....	Feed .....	17.98
19	Joe Clemmings et al .....	Labor .....	58.50
23	Southern California Rwy. Co. ....	Transportation .....	6.00
Aug. 4	Joe Clemmings et al .....	Labor .....	58.50
4	D. C. Sutton .....	Salary .....	98.90
9	F. W. Hill .....	Feed, etc. ....	21.25
16	E. J. Wickson .....	Salary .....	18.00
16	Chicago, Milwaukee and St. Paul Rwy. Co. ....	Transportation .....	12.75
16	Atchison, Topeka and Santa Fe R. R. Co. ....	do .....	60.00
16	Rio Grande Western Rwy. Co. ....	do .....	37.50
16	L. E. Niestrath .....	Livery hire .....	6.50
16	J. W. Moore .....	Implements, etc. ....	17.55
24	D. C. Sutton .....	Transportation .....	4.89
Sept. 15	Ernst Clausen et al .....	Labor .....	26.32
15	E. J. Wickson .....	Expenses .....	8.25
15	Transportation orders .....		22.30
	Total supplemental .....		610.65

## RECAPITULATION.

Total first quarter .....	\$1,795.05
Total second quarter .....	2,548.66
Total third quarter .....	1,688.67
Total fourth quarter .....	2,087.20
Total supplemental .....	610.65
Total .....	8,730.23

## ADDITIONAL COMPENSATION TO CHEMIST.

Date.	Name.	Nature of payment.	Total.
1893.			
Oct. 31	H. W. Wiley .....	Additional compensation .....	\$125.00
1894.			
Jan. 3	do .....	do .....	125.00
Apr. 7	do .....	do .....	125.00
July 10	do .....	do .....	125.00
	Total .....		500.00

## IRRIGATION INVESTIGATIONS.

Date.	Name.	Nature of payment.	Total.
1893.			
July 31	Chas. W. Irish et al. ....	Salaries .....	\$439.70
Aug. 31	do .....	do .....	439.70
Sept. 30	do .....	do .....	366.80
	Total first quarter .....		1,246.20

Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## IRRIGATION INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Oct. 6	John C. Parker .....	Envelopes .....	\$16.00
31	Chas. W. Irish et al .....	Salaries .....	379.10
Nov. 30	.....do .....	do .....	366.80
Dec. 30	.....do .....	do .....	379.09
	Total second quarter .....		1,140.99
1894.			
Jan. 17	Pennsylvania R. R. Co .....	Transportation .....	17.00
18	Chas. W. Irish .....	Expenses .....	20.00
31	Chas. W. Irish et al .....	Salaries .....	387.50
Feb. 16	Chas. W. Irish .....	Expenses .....	59.75
28	Chas. W. Irish et al .....	Salaries .....	350.00
Mar. 6	Elizabeth Irish .....	Salary .....	72.00
13	.....do .....	do .....	72.00
21	Chicago, Rock Island and Pa- cific Rwy. Co. ....	Transportation .....	7.88
31	Chas. W. Irish et al .....	Salaries .....	387.50
	Total third quarter .....		1,373.63
Apr. 2	Chas. W. Irish .....	Expenses .....	101.80
12	.....do .....	do .....	74.10
12	Elizabeth Irish .....	Salary .....	60.00
30	Chas. W. Irish et al .....	Salaries .....	370.90
May 3	Atchison, Topeka and Santa Fe R. R. Co. ....	Transportation .....	25.30
10	Atlantic and Pacific R. R. Co. ....	do .....	80.00
31	Chas. W. Irish et al .....	Salaries .....	366.20
June 25	B. and O. R. R. Co. ....	Transportation .....	17.50
30	Chas. W. Irish et al .....	Salaries .....	354.40
	Total fourth quarter .....		1,450.20

## RECAPITULATION.

Total first quarter .....	\$1,246.20
Total second quarter .....	1,140.99
Total third quarter .....	1,373.63
Total fourth quarter .....	1,450.20
Transportation orders .....	252.00
Total .....	5,463.02

## QUARANTINE STATIONS.

Date.	Name.	Nature of payment.	Total.
1893.			
July 25	Oden A. Lowman .....	Repairs .....	\$1.50
Aug. 9	Thos. Farthing .....	Rent .....	25.00
9	W. H. Wade .....	Salary .....	75.80
9	Alonzo Butterworth .....	do .....	60.60
9	Andrew C. Osborn .....	do .....	60.60
9	W. H. Lowe .....	Salary and expenses .....	159.95
16	John Hume .....	Labor .....	7.50
22	Joseph Sandman .....	Scythe, etc .....	4.25
Sept. 2	Albert Hassall .....	Expenses .....	5.55
7	W. H. Wade .....	Salary .....	75.80
11	Andrew C. Osborn .....	do .....	60.60
11	Alonzo Butterworth .....	do .....	60.60
11	W. H. Lowe .....	do .....	151.60
11	Thos. Farthing .....	Rent .....	25.00
11	John Hume .....	Labor .....	6.00
	Total first quarter .....		780.35
Oct. 2	The Garfield Land Association .....	Rent .....	300.00
10	W. H. Wade .....	Salary and expenses .....	76.56
10	W. H. Lowe .....	do .....	134.85
10	Alonzo Butterworth .....	Labor .....	58.80
10	Andrew C. Osborn .....	do .....	58.80
10	New York and New Jersey Telephone Co. ....	Telephone rent .....	18.75
13	Albert Hassall .....	Traveling expenses .....	1.90
20	John Hume .....	Labor .....	6.00
Nov. 1	Albert Hassall .....	Expenses .....	5.55
3	Thos. Farthing .....	Rent .....	25.00
4	W. H. Wade .....	Salary .....	75.80

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## QUARANTINE STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Nov. 4	Andrew C. Osborn .....	Salaries .....	\$60.60
4	W. H. Lowe .....	Salary and expenses .....	138.15
4	Alonzo Butterworth .....	Labor .....	60.60
9	John Hume .....	do .....	7.50
14	Thos. Farthing .....	Rent .....	25.00
23	Alonzo Butterworth .....	Labor .....	27.39
23	W. H. Lowe .....	Salary and expenses .....	62.22
23	W. D. Bush .....	Feed .....	55.22
23	Andrew C. Osborn .....	Labor .....	27.39
Dec. 9	W. H. Wade .....	Salary .....	73.40
9	John Hume .....	Labor .....	6.00
19	Abraham Noonburg .....	Salary .....	31.30
19	John B. Hopper .....	Salary and expenses .....	61.67
19	Albert B. Conkling .....	Salary .....	31.30
	Total second quarter .....		1,429.75
1894.			
Jan. 3	The Garfield Land Association .....	Rent .....	300.00
10	S. M. Birch .....	Lumber .....	81.00
10	Ch. Hubinger .....	Spikes, etc .....	3.05
10	Albert B. Conkling .....	Labor .....	60.60
10	F. H. Crane .....	Glass .....	5.65
10	New York and New Jersey Telephone Co. ....	Telephone rent .....	18.75
10	John B. Hopper .....	Salary and expenses .....	119.80
10	Abraham Noonburg .....	Labor .....	60.60
12	W. H. Wade .....	Salary .....	75.80
16	J. A. Harwood .....	Rent .....	125.00
17	Thos. Farthing .....	do .....	25.00
17	do .....	do .....	25.00
Feb. 1	John Hume .....	Labor .....	7.50
3	Baltimore and Ohio R. R. Co. ....	Rent .....	56.25
3	do .....	do .....	56.25
5	W. H. Wade .....	Salary .....	77.50
7	John Hume .....	Labor .....	6.00
9	John B. Hopper .....	Salary .....	120.60
9	Albert B. Conkling .....	do .....	62.00
9	Abraham Noonburg .....	do .....	62.00
9	Michael McMahon .....	Shoeing horse .....	2.00
14	Thos. Farthing .....	Rent .....	25.00
Mar. 2	W. H. Wade .....	Salary .....	70.00
3	John Hume .....	Labor .....	6.00
5	Abraham Noonburg .....	do .....	56.00
5	Albert B. Conkling .....	do .....	56.00
8	Geo. Gillmor .....	Repairing pumps .....	.50
9	Michael P. McMahon .....	Shoeing horse .....	2.00
9	John B. Hopper .....	Salary .....	108.50
9	Thomas Farthing .....	Rent .....	25.00
13	Alyea Bros. ....	Feed .....	45.62
	Total third quarter .....		1,745.27
Apr. 5	W. H. Wade .....	Salary .....	77.50
6	John B. Hopper .....	do .....	120.60
6	Albert B. Conkling .....	Labor .....	62.00
7	John Hume .....	do .....	6.00
9	The Garfield Land Association .....	Rent .....	300.00
10	New York and New Jersey Telephone Co. ....	Telephone rent .....	18.75
10	Abraham Noonburg .....	Labor .....	62.00
10	Thos. Farthing .....	Rent .....	25.00
10	A. Eidman & Co. ....	Repairing pump .....	15.00
11	J. A. Harwood .....	Rent .....	62.50
17	The Real Estate Improvement Co. of Baltimore, Md. ....	do .....	56.25
May 3	W. H. Wade .....	Salary .....	74.20
4	Abraham Noonburg .....	Labor .....	59.30
4	Albert B. Conkling .....	do .....	59.30
4	John Hume .....	do .....	7.50
4	Michael P. McMahon .....	Shoeing horse .....	2.00
10	John B. Hopper .....	Salary .....	116.75
12	Alyea Bros. ....	Hay .....	27.00
12	Thos. Farthing .....	Rent .....	25.00
June 4	W. H. Wade .....	Salary .....	76.60
4	John Hume .....	Labor .....	6.00
4	Abraham Noonburg .....	do .....	61.40
4	Albert B. Conkling .....	do .....	61.40
4	John B. Hopper .....	Salary and expenses .....	120.55
13	Thomas Farthing .....	Rent .....	25.00
	Total fourth quarter .....		1,527.60



Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## QUARANTINE STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental.</i>			
1894. July 3	The Real Estate Improvement Co. of Baltimore, Md.	Rent .....	\$56.25
6	John Humie .....	Labor .....	6.00
6	John B. Hopper .....	Salary .....	115.40
6	Michael P. McMahon .....	Shoeing horse .....	2.00
6	Albert B. Conkling .....	Labor .....	59.30
6	Abraham Noonburg .....	do .....	59.30
7	W. H. Wade .....	Salary .....	74.20
12	J. A. Harwood .....	Rent .....	62.50
12	Thos. Farthing .....	do .....	25.00
13	New York & New Jersey Telephone Co.	Telephone rent .....	18.75
14	News Publishing Co .....	Advertising .....	2.25
21	The Garfield Land Association.	Rent .....	300.00
Total supplemental .....			780.95

## RECAPITULATION.

Total first quarter .....	\$780.35
Total second quarter .....	1,429.75
Total third quarter .....	1,745.27
Total fourth quarter .....	1,527.60
Total supplemental .....	780.95
Total .....	6,263.92

## BUREAU OF ANIMAL INDUSTRY.

Date.	Name.	Nature of payment.	Total.
1893. July 18	Chas. B. Murray .....	Subscription to Cincinnati Price Current, July 5, 1893, to July 5, 1894.	\$5.00
18	The Rural Publishing Co .....	Subscription, 1 year, Rural New Yorker .....	1.00
18	William Frear .....	Subscription to Agricultural Science to June, 1894.	2.00
18	Thos. H. Netherland .....	Salary, July 1-5 .....	21.74
18	G. W. Beamer .....	1 mare killed, maladie du coit .....	35.00
18	Andrew Larsen .....	do .....	35.00
19	Samuel Hollis .....	Painting 2 signs, Boston .....	5.50
20	Eli Loda .....	1 horse .....	95.00
20	W. A. Florey .....	1 mare killed, maladie du coit .....	15.00
20	G. O. Fairhead .....	do .....	20.00
20	Cyrus F. McDonell .....	do .....	35.00
20	R. H. Fulton .....	do .....	40.00
20	Roy Beckwith .....	1 stallion killed, maladie du coit .....	100.00
20	Hannibal H. Chandler & Co .....	Subscription, Farmers' Review to June, 1894.	1.25
20	J. H. Saunders Publishing Co .....	Subscription, Breeders' Gazette to June, 1894.	2.00
20	Lea Bros. & Co .....	Subscription, American Journal of Medical Science to June, 1894.	4.00
24	Philip Mosser .....	1 mare killed, maladie du coit .....	35.00
24	Samuel W. Campbell .....	Salary and expenses, July 1-15 .....	82.28
24	Bosher Rubber Type Co .....	Rubber canceling stamp .....	10.00
24	N. H. Paaren et al .....	Salaries, July 1-15 .....	895.47
24	E. A. v. Schweinitz .....	Meat for culture media .....	1.00
25	Alonzo E. Hardy .....	1 mare killed, maladie du coit .....	40.00
27	F. Knight & Son .....	Moving of furniture, Boston .....	3.00
31	A. W. Clement .....	Salary, July 1-15 .....	81.52
31	E. C. Matheny .....	do .....	48.91
31	Samuel H. Pierce .....	do .....	65.22
31	Geo. W. Talbert .....	Cabbages .....	4.25
31	Edw. S. Schmid .....	100 pounds prepared food .....	7.00
31	D. E. Salmon et al .....	Salaries for July .....	4,840.29
Aug. 3	Thomas Manufacturing Co .....	Meat inspection tags .....	65.00
3	American .....	Metal cattle tags .....	81.25
3	D. N. Walford .....	Replating revolver .....	1.50
4	James T. Stuart et al .....	Salaries for July .....	649.60
4	Julius Huelson et al .....	do .....	651.05
4	Julius Huelson .....	Office expenses, July .....	2.95
4	W. H. Rose .....	do .....	14.00
4	James Stikeman .....	Office rent, New York, July .....	45.83
4	W. H. Rose et al .....	Salaries for July .....	1,073.20

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Aug. 4	Battise Pourier.....	3 mares killed, maladie du coit.....	\$90.00
4	Edward H. Flood et al.....	Salaries for July.....	684.60
4	Edward H. Flood.....	Office expenses, July.....	2.69
4	R. W. Hickman et al.....	Salaries for July.....	694.80
4	John Broderick.....	Office rent, New York City, July.....	16.00
4	James T. Stuart.....	Office expenses, July.....	.77
4	The United States Electric Lighting Co.....	Electric-light current, laboratory, July.....	12.00
4	Washington Gaslight Co.....	Gas, laboratory, July.....	18.25
5	A. D. Melvin.....	Salary and expenses, July.....	255.60
5	Lewis R. Baker et al.....	Salaries for July.....	1,430.58
5	Norman R. Adams et al.....	do.....	1,589.17
5	E. Balger et al.....	do.....	1,809.75
5	Wm. Bond & Son.....	Office rent, Boston, July.....	20.00
5	O. H. Hall et al.....	Salaries for July.....	97.82
5	Evan H. Pritchard et al.....	do.....	559.60
5	John Michels et al.....	do.....	702.18
7	Davenport Fisher et al.....	do.....	987.91
7	James J. Brougham et al.....	do.....	598.12
7	James Wilson et al.....	do.....	1,120.10
7	Daniel D. Lee et al.....	do.....	857.50
7	Alex. Yearley & Son.....	Office rent, Baltimore, July.....	10.00
7	Isaac L. Ball et al.....	Salaries, July.....	407.60
7	H. A. Hedrick.....	Salary, July 16 to 31, inclusive.....	82.67
7	do.....	Office expenses, July.....	2.43
7	De N. Jewett.....	Salary, July.....	101.10
7	John Forbes et al.....	Salaries, July.....	760.90
7	Ed. Allen et al.....	do.....	995.57
7	W. P. Cutler et al.....	do.....	437.80
7	W. D. Robbins et al.....	do.....	328.26
7	H. J. Ruppert.....	Rent of land, Bennings road, July.....	41.66
8	S. W. McGrew.....	Office expenses, July.....	3.70
8	S. W. McGrew et al.....	Salaries for July.....	825.00
8	David Parker et al.....	do.....	462.59
8	D. R. Krehbiel et al.....	do.....	1,279.40
8	Wm. Somerville, jr., et al.....	do.....	948.94
8	C. J. Sihler et al.....	do.....	1,543.68
8	Amelia Barthels et al.....	do.....	505.00
9	St. Louis National Stock Yards.....	Rent of rooms, July.....	50.00
9	M. L. Young.....	Salary for 2 days in July.....	10.00
9	James Irwin.....	Salary, July 1 to 15, inclusive.....	57.07
9	Chas. A. Wilcox.....	Salary for July.....	101.10
9	Edward Story.....	do.....	134.80
9	Henry B. Ambler.....	do.....	151.60
9	A. K. Robertson.....	Salary eight experts for July.....	285.85
9	D. Cumming.....	Salary, 6 days in July.....	30.00
9	Albert B. Putney.....	Cleaning and putting down carpet, July.....	4.47
9	New England Telephone and Telegraph Co.....	Telephone exchange and rental, Boston, July.....	12.00
9	International Clean Towel Co.....	Towel supply, Buffalo, July.....	5.16
9	Union Stock Yards and Transit Co.....	Office rent, Chicago, July.....	15.00
9	B. A. Pierce.....	Salary and expenses, July.....	140.32
9	Davenport Fisher.....	Office expenses, July.....	2.60
9	Campbell & Gregg.....	Toilet supplies, Milwaukee, July.....	4.50
9	A. D. Melvin.....	Office expenses, July.....	59.61
9	Paul Rieser.....	3 galvanized-iron water pans.....	2.75
9	The Office Toilet Supply Co.....	Use toilet supplies, Chicago, July.....	5.47
9	Chicago Telephone Co.....	Telephone service, Chicago, July.....	10.42
9	Rand. McNally & Co.....	Stationery supplies, Chicago, July.....	19.80
9	Gahan & Byrne.....	Office rent, Chicago, July.....	200.00
9	Thomas Manufacturing Co.....	Meat-inspection tags.....	130.00
9	do.....	do.....	325.00
9	G. W. Tourtellot.....	Rent of rooms, Kansas City, July.....	45.00
9	A. O. Stoeltzing.....	200 pounds tacks.....	20.50
9	A. C. Fulkerson.....	Towel supply, Kansas City, July.....	8.25
9	Lawton & Burnap.....	Office supplies, Kansas City, July.....	4.40
9	Evans, Gallagher Drug Co.....	do.....	42.89
9	The Oxley & Wilson Manufacturing Co.....	½ barrel labeling compound.....	14.50
9	J. H. Honan et al.....	Salaries for July.....	821.70
9	J. H. Honan.....	Offices expenses, July.....	2.16
9	Edward Sheldon.....	Salary and expenses, July.....	415.50
9	Geo. C. Faville.....	do.....	278.85
9	Joseph Hawkins.....	Salary for July.....	117.90
9	C. J. Stewart & Son.....	1 dozen hog rings.....	3.00
9	Charles F. Nesbit.....	Salary for July.....	101.10
9	Evans Laundry Co.....	Towel supply, South Omaha, July.....	2.25
9	Packer's National Bank.....	Rent of rooms, South Omaha, July.....	45.00
9	Standard Supply Co.....	Lead car seals.....	140.00

Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Aug. 9	W. S. Devoe	Salary and expenses, July	\$334.75
11	B. Westermann & Co	Books and journals	23.40
11	E. L. Siggins et al.	Salaries for July	1,057.02
11	Dighton Granger et al.	do	800.10
11	Bay State Clean Towel Furnishing Co.	Towel supply, July	5.55
11	J. A. Doe	Ice for July	4.00
11	Berger Specialty Manufacturing Co.	Repairing and hanging awnings	16.25
11	Albert Dean	Salary and expenses for July	172.25
11	Otis E. Sadler	Salary for July	101.10
11	Philip H. Moore	do	101.10
11	Perry Hodgden	do	101.10
11	Wm. D. Jordan	Salary and expenses for July	142.60
11	W. H. Gibbs	do	121.80
11	Joseph Bruser	Salary for July	117.90
11	Howard Rhoads	Salary and expenses for July	137.65
11	Alexander Lobbb	do	120.75
11	D. M. Ward	do	117.90
14	W. E. Mayne	Salary and expenses for July (5 days)	25.20
14	W. E. Gill	Salary and expenses for July	124.81
14	Chas. E. Collins	do	122.45
14	Griffin & Connelly	Ice for July, Chicago	7.80
14	Thomas Manufacturing Co.	Meat-inspection tags	325.00
14	Standard Supply Co	Lead car seals	700.00
14	Daniel D. Lee	Office expenses, July	1.40
14	R. C. Broughton	Salary, July 1-13	35.22
14	J. F. Ryder	Salary and expenses, July	204.50
14	Chas. E. Talbert	Hay, oats, bran, etc	31.35
16	John Forbes	Salary, August 1-10, inclusive	43.48
16	S. W. McGrew	do	43.48
16	Jno. Nesbitt	Office rent, East St. Louis, Ill., July 1-16, inclusive,	5.16
16	do	Office rent, East St. Louis, Ill., July 17-31, inclusive,	4.84
16	S. E. O'Neill et al.	Salaries for July	228.96
16	John Loris, jr., et al.	do	226.10
16	Frank W. Palmer, Public Printer	Congressional Record	4.00
16	G. W. Ward	Salary and expenses 1 day in July	5.50
18	R. W. Hickman	Office expenses, July	1.76
18	J. T. Claris	Salary and expenses, July	176.90
18	do	Office rent, Buffalo, July	10.00
18	Standard Supply Co	Lead car seals	140.00
18	do	do	140.00
18	do	do	140.00
18	W. A. Wray	Salary and expenses, July	462.72
22	Ch. K. Traub	2 mares killed, maladie du coit	135.00
22	W. M. Galt & Co	Cornmeal, bran, etc	19.75
22	Adams Express Co.	Expressage	4.45
23	Emma Fish et al.	Salaries for 1 day in July	3.26
23	Standard Supply Co.	Lead car seals	280.00
23	C. H. Hanson	Stencils, paste, brushes, etc	12.10
23	San Antonio and Aransas Pass Rwy. Co.	Transporting Norgaard	32.55
25	C. A. Melcher	Gasoline, matches, ink, etc	19.70
26	Jno. C. Parker	Official Railway Guide, July 1, 1893, to July 1, 1894.	5.00
30	Thomas Manufacturing Co.	Meat-inspection tags	65.00
30	James Peevey	Salary, July 17-31, inclusive.	40.76
30	Dan. McCuningham	Salary and expenses for July	144.70
31	Craig & Harding	1 flat-top desk	34.00
31	D. E. Salmon	Expenses to New York and return	23.80
31	Theobald Smith	Expenses to Chicago and return	50.80
31	do	Eggs, meat, etc., for experiments	1.68
31	D. E. Salmon et al.	Salaries for August	4,877.22
Sept. 1	Edwin L. Woodhouse	Slaughtered cattle	40.00
1	Ole Petersen	do	60.00
1	Theodore S. Park	do	35.00
1	Nicholas Janis	do	30.00
1	Stephen G. Campbell	do	25.00
1	J. O. Rourke	do	30.00
1	Metropolitan Telephone and Telegraph Co.	Telephone rent, New York City, July	21.65
2	Oxley & Wilson Manufacturing Co.	Labeling compound, etc	5.60
2	H. J. Ruppert	Land rent, Bennings road, August	41.66
4	Edward H. Flood et al.	Salaries for August	745.20
4	John Michels et al.	do	656.45
4	Daniel D. Lee et al.	do	857.30
4	R. W. Hickman et al.	do	694.80



*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1893. Sept. 4	Julius Huelson et al.	Salaries for August	\$670.80
4	W. H. Rose et al.	do	1,070.70
4	Isaac L. Ball et al.	do	382.22
5	Wyckoff, Seamans & Benedict	Repairs to typewriter	1.10
5	Z. D. Gilman	Fernoline, etc.	4.25
6	Lewis R. Baker et al.	Salaries for August	1,759.69
6	Norman R. Adams et al.	do	2,202.89
6	E. Balzer et al.	do	1,730.95
6	A. D. Melvin	Salary and expenses	255.60
7	Wm. Bond & Son	Office rent, Boston, Mass., August	20.00
7	Francis Doane & Co	Ink and paper	3.75
7	Daniel D. Lee	Office expenses in August	3.00
7	J. E. Blackwell et al.	Salaries for August	950.56
7	Campbell & Gregg	Toilet supplies, Milwaukee, August	4.50
7	Davenport Fisher et al.	Salaries for August	988.28
7	James J. Brougham et al.	do	400.00
7	James T. Stuart et al.	do	647.97
7	John Broderick	Office rent, New York City, August	16.00
7	H. A. Hedrick	Salary and expenses, August	147.90
7	do	Office expenses, August	1.50
7	Alex. Yearley & Son	Office rent, Baltimore, August	10.00
7	Mueller Bros. Furniture and Carpet Co.	Office chairs	5.00
7	O. H. Hall et al.	Salaries for August	303.30
7	W. D. Robbins et al.	do	338.00
7	Frank J. Thornburg et al.	do	820.13
7	Evan H. Pritchard et al.	do	559.60
7	Edward H. Flood	Office expenses for August	2.76
7	W. H. Rose	do	9.35
7	James Stikeman	Office rent, New York City, August	45.83
7	John Doris, jr., et al	Salaries for August	226.10
7	Chas. R. Talbert	Feed for August	213.85
7	Washington Gaslight Co.	Gas for August	13.75
8	Ed. R. Allen et al.	Salaries for August	929.27
8	Howard Rhoads et al.	do	909.70
8	Don C. Ayer et al.	do	684.50
8	Wm. P. Cutler et al.	do	377.20
8	E. L. Siggins et al.	do	745.67
8	S. Stewart et al.	do	1,279.49
8	Amelia Barthels et al.	do	478.96
8	James Peevey et al.	do	919.24
8	S. E. O'Neill et al.	do	356.02
8	David Parker et al.	do	468.10
8	J. H. Honan et al.	do	837.70
9	Victor A. Norgaard	Salary for August	151.60
11	A. C. Fulkerson	Towel supply for August	8.25
11	C. J. Sihler et al.	Salaries for August	1,273.87
11	A. O. Stoeltzing	Tacks	20.50
11	A. K. Robertson	Salary and expenses, August	305.90
11	International Clean Towel Co.	Towel supply, August	3.78
11	E. W. Schirmer et al.	Salaries, August	765.50
11	Union Stock Yard and Transit Co.	Office rent, Chicago, August	15.00
11	B. A. Pierce	Salary and expenses, August	138.12
11	William C. Honan	Salary and expenses, July 17-31	53.00
11	do	Salary and expenses, August	102.06
11	M. L. Young	Salary, August, 6 days	30.00
11	Geo. C. Faville	Salary and expenses, August	272.85
11	Charles Cowie	Salary, August 16	5.00
11	Joseph Hawkins	Salary, August, 12 days	60.00
11	Edward Story	Salary, August	134.80
11	John Bingham	Stationery	7.40
11	Chicago Telephone Co.	Telephone service, Chicago, August	10.42
11	The Office Toilet Supply Co.	Toilet supply, Chicago, August	6.57
11	A. D. Melvin	Office expenses, August	50.36
11	Chas. E. Collins	Salary and expenses, August	127.05
11	Albert Deane	do	172.50
11	Ed. R. Allen	Office expenses, August	.60
11	D. Cumming	Salary for August, 10 days	50.00
11	Chas. A. Wilcox	Salary for August	101.10
13	David Pifferling	Slaughtered cattle	25.00
13	Bausch & Lomb Optical Co	Mailing boxes	3.75
13	Thomas Manufacturing Co	Inspection tags	32.50
13	Victor A. Norgaard	Expenses in July	78.95
13	W. T. Devoe	Salary and expenses, August	340.85
13	Charles F. Nesbit	Salary, August	101.10
13	William D. Jordan	Salary and expenses, August	139.60
13	Dan McCuningham	do	140.75
13	Bay State Clean Towel Fur- nishing Co.	Towel supply, August	3.72

Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Sept. 13	Packers' National Bank .....	Office rent, South Omaha, August .....	\$45.00
13	The Metropolitan Telephone and Telegraph Co. ....	Telephone rent, New York City, July .....	20.00
14	G. W. Ward .....	Salary and expenses, August .....	89.90
14	Rand, McNally & Co .....	Stationery, etc .....	15.40
14	Griffin & Connelly .....	Ice, Chicago, August .....	8.10
14	Paul Rieser .....	Hardware, etc .....	2.30
14	Jerry Jackson .....	Cleaning matting, etc .....	3.00
14	C. A. Melcher .....	Varnish, soap, etc .....	15.55
14	J. A. Doe .....	Ice, South Omaha, August .....	3.60
14	Evans Laundry Co .....	Towel supply, August .....	2.25
14	John Warrack .....	Hauling seals and presses .....	1.00
14	D. Cameron .....	Paste for stamping .....	2.00
15	Standard Supply Co .....	Car seals .....	70.00
15	Charles O. Brockway .....	Hog rings .....	50.00
15	W. M. Galt & Co .....	Feed .....	36.00
15	Ch. B. Michener .....	Salary, Sept. 1 to 15 .....	122.28
15	J. Somerville .....	Labor, Sept. 1 to 15 .....	26.90
19	V. A. Moore .....	Expenses, September .....	39.59
19	do .....	Expenses, August .....	50.79
19	Geo. Cornish .....	Salary, Sept. 1 to 15 .....	38.04
19	James Russell .....	do .....	35.00
19	John M. Foster .....	Labor and building materials, Baltimore .....	124.30
19	St. Louis National Stock Yards .....	Rent of rooms .....	50.00
19	Chas. A. Schauflier .....	Freight .....	1.09
19	Julius Huelson .....	Office expenses, August .....	10.75
19	do .....	Traveling expenses, August .....	2.70
19	Davenport Fisher .....	Office expenses, August .....	3.50
19	C. J. Tipter .....	Expressage .....	.70
19	G. W. Tourtellot .....	Rent of room, Kansas City .....	45.00
19	I. H. Homan .....	Office expenses, August .....	.35
19	W. H. Wray .....	Salary and expenses, August .....	458.50
19	J. F. Ryder .....	do .....	294.50
20	B. Westermann .....	Foreign publications .....	9.68
20	Henry B. Ambler .....	Salary and expenses, August .....	101.95
21	Standard Supply Co .....	Car seals .....	140.00
21	do .....	do .....	700.00
21	C. H. Hanson .....	Supplies, Chicago .....	2.50
21	Thomas Manufacturing Co. ....	Tags .....	325.00
21	E. A. Clapp .....	Office rent, August .....	10.00
21	Don C. Ayer .....	Turpentine, etc .....	1.75
21	New England Telephone and Telegraph Co. ....	Rental of telephone .....	10.00
21	Ed. F. Pickering .....	Calceling stamp .....	10.00
21	Edw. Shelden .....	Salary and expenses, August .....	389.75
21	H. D. Mayne .....	do .....	97.35
21	Gahan & Byrne .....	Office rent, Chicago .....	200.00
22	Standard Supply Co .....	Car seals .....	140.00
23	Peter Paul & Bro .....	Copying books, etc .....	6.35
23	Peters & Eichel .....	Repairing locks, etc .....	6.00
23	Walbridge & Co .....	Wash basins, etc .....	2.22
23	W. H. Keeler .....	Die, etc .....	7.65
23	Jeffrey & Gotshall .....	Repairing and cleaning micrometer .....	10.51
23	Nelson P. Hinkley .....	Moving furniture .....	1.50
23	do .....	Salary and expenses, August .....	156.85
23	Walter Chur, general manager American Railway Supply Co. ....	Tags .....	81.25
25	W. H. Gibbs .....	Salary, August: expenses, July .....	105.10
25	Miller Lock Co .....	Repairs to boxes, etc .....	13.35
26	B. A. Pierce .....	Expressage .....	.30
26	do .....	do .....	.35
26	E. W. Schirmer .....	Hauling lead seals, etc .....	3.45
27	United States Express Co. ....	Expressage .....	3.35
28	Star Union Line .....	Freight charges .....	25.00
30	The Metropolitan Telephone and Telegraph Co. ....	Rent, telephone, etc., August .....	21.50
30	do .....	do .....	20.35
30	Fremont, Elkhorn and Missouri Valley R. R. Co. ....	Transportation furnished Faville and Shelden, August .....	39.00
30	Thomas Manufacturing Co. ....	Meat-inspection tags .....	325.00
30	D. E. Salmon et al .....	Salaries, September 1893 .....	4,409.73
	Total salaries and expenses .....		84,340.86
	Total rent of laboratory .....		200.00
	Total swine plague .....		1,066.51
	Total amount of vouchers in quarter .....		85,607.37

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Oct. 2	H. J. Ruppert.....	Rent ground on Bennings road, September, 1893.	\$41.66
2	Theobald Smith.....	Expenses in laboratory, August and September, 1893.	3.28
2	Charles F. Dawson.....	Salary, September 10-30.....	70.00
4	A. G. Guthridge.....	Services, Oct. 1-3.....	6.85
5	Evan H. Pritchard et al.....	Salaries, September, 1893.....	506.60
5	Edw'd H. Flood et al.....	do.....	479.80
5	James Peevey et al.....	do.....	716.83
5	Chas. A. Schaufler et al.....	do.....	189.20
5	John Doris, jr., et al.....	do.....	243.80
5	Jas. J. Brougham et al.....	do.....	372.20
5	O. H. Hall et al.....	do.....	293.40
5	Isaac L. Ball et al.....	do.....	395.30
5	R. W. Hickman et al.....	do.....	614.03
5	W. H. Rose et al.....	do.....	847.40
5	Washington Gaslight Co.....	Gas, September, 1893.....	13.50
6	E. W. Schirmer et al.....	Salaries, September, 1893.....	775.60
6	Don C. Ayer et al.....	do.....	697.60
6	S. E. O'Neill et al.....	do.....	416.80
6	J. E. Blackwell et al.....	do.....	973.60
6	W. D. Robbins et al.....	do.....	173.00
6	David Parker et al.....	do.....	486.27
6	Howard Rhoads et al.....	do.....	831.60
6	C. J. Sihler et al.....	do.....	1,389.37
6	Davenport Fisher et al.....	do.....	999.80
6	Ed. R. Allen et al.....	do.....	774.80
6	Standard Supply Co.....	Lead car seals.....	140.00
7	Thomas Manufacturing Co.....	Inspection tags.....	130.00
7	Victor A. Norgaard.....	Salary and expenses, September, 1893.....	174.08
7	Dan'l D. Lee et al.....	Salaries, September, 1893.....	756.89
7	John Michels et al.....	do.....	783.67
7	Frank J. Thornbury et al.....	do.....	890.29
7	Lewis R. Baker et al.....	do.....	2,031.20
7	Norman R. Adams et al.....	do.....	2,128.76
7	Geo. W. Talbert.....	Cabbage, etc.....	5.50
7	Geo. R. Seiffert.....	Type cleaners.....	17.50
7	Chesapeake and Potomac Telephone Co.....	Telephone rent, July 1 to Sept. 30.....	67.19
9	Standard Supply Co.....	Lead seals.....	70.00
9	do.....	do.....	7.00
9	do.....	do.....	7.00
9	Z. D. Gilman.....	Chemicals, September, 1893.....	28.82
10	W. H. Rose.....	Office expenses, September, 1893.....	9.35
10	James Stikeman.....	Rent of rooms, New York.....	45.83
10	Edw'd Shelden.....	Salary and expenses, New York.....	341.25
10	Edw'd Story.....	do.....	97.80
10	Chas. A. Wilcox.....	Salary for September.....	97.80
10	B. A. Pierce.....	Salary and expenses for September.....	135.11
10	do.....	Freight on tags.....	2.25
10	Union Stock Yards and Transit Co.....	Office rent, Chicago, Ill.....	15.00
10	M. L. Young.....	Salary, September.....	80.00
10	Dan'l D. Lee.....	Office expenses, September.....	2.00
10	W. M. Bond & Son.....	Office rent, September, Boston.....	20.00
10	Rich'd H. Paine.....	Tar paper, etc.....	4.55
10	New England Telephone and Telegraph Co.....	Rent of telephone, September, Boston.....	10.45
10	Edw'd H. Flood.....	Office expenses, September, Philadelphia.....	4.69
10	The Bell Telephone Co. of Philadelphia.....	Telephone rent, July 1 to Sept. 30.....	30.00
10	James T. Stuart et al.....	Salaries for September.....	658.82
10	Geo. C. Faville.....	Salary for September.....	264.05
10	Albert Dean.....	do.....	153.05
10	W. E. Hill.....	do.....	132.45
11	H. A. Hedrick.....	Salary and expenses, September.....	181.30
11	Chesapeake and Potomac Telephone Co.....	Rent of telephone, Baltimore, July 1 to Sept. 30.....	25.00
11	Alex. Yearley & Son.....	Office rent, Baltimore, September.....	10.00
11	Julius Huelsen et al.....	Salaries, September.....	705.20
11	Julius Huelsen.....	Office expenses, September.....	2.45
11	St. Louis National Stock Yards.....	Room rent, National Stock Yards, September.....	50.00
11	Davenport Fisher.....	Office expenses, September.....	1.50
11	Campbell & Gregg.....	Toilet supplies, September, Milwaukee, Wis.....	4.50
11	S. E. O'Neill.....	Office expenses, September.....	1.15
11	I. H. Honan.....	Office expenses, September, Hammond, Ind.....	7.05
11	I. H. Honan et al.....	Salaries for September.....	848.60
11	John Broderick.....	Office rent, September, New York City.....	16.00
11	John A. Bell.....	Services, etc., September.....	19.32



*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Oct. 11	Charles Cowie .....	Services, etc., September .....	\$5.00
11	D. Cumming .....	do .....	55.00
11	E. W. Schirmir .....	Office expenses, September .....	2.60
11	Henry B. Ambler .....	Salary and expenses, September .....	108.65
11	Ed. R. Allen .....	Office expenses, September .....	1.10
11	Chicago Watch Tool Co. ....	Repairs, etc., September, Chicago, Ill. ....	77.00
11	A. D. Melvin .....	Salary and expenses, September .....	208.00
11	Gahan & Byrne .....	Office rent, September, Chicago, Ill. ....	200.00
11	E. Balzer et al. ....	Salaries, September .....	1,770.39
11	E. A. Clapp .....	Office rent, September, East St. Louis, Ill. ....	10.00
11	Nelson P. Hinkley .....	Salary and expenses, September .....	147.80
11	B. Westermann & Co. ....	Foreign publications .....	21.20
12	A. E. Stoeltzing .....	Supplies furnished abattoir, Kansas City, September. ....	34.24
12	do .....	do .....	22.70
12	W. A. Griswold .....	Supplies furnished abattoir, September, 1893, Kansas City. ....	4.50
12	A. C. Fulkerson .....	Towels furnished abattoir, September, 1893, Kansas City. ....	12.38
12	G. W. Tourtellot .....	Rent of rooms, September, 1893, Kansas City. ....	45.00
12	A. Holzmark .....	Supplies, September, 1893, Kansas City ....	26.70
12	F. P. Burnap .....	do .....	2.45
12	Standard Supply Co .....	Lead seals .....	70.00
12	The Office Toilet Supply Co ..	Office supplies, September, Chicago .....	6.14
12	Oxley & Wilson Manufacturing Co. ....	2½ barrels Willard's labeling compound. ....	27.00
12	Chicago Telephone Co .....	Telephone service, September, Chicago, Ill. ....	10.42
12	A. D. Melvin .....	Office expenses, Chicago, Ill. ....	32.42
12	Atlas Tack Corporation .....	Tacks, Chicago, Ill. ....	11.50
12	Chas. E. Collins .....	Salary and expenses, September .....	111.55
12	Dan. McCuningham .....	do .....	122.25
12	S. Stewart et al .....	Salaries, September .....	2,258.26
12	Evans Laundry Co .....	Towel supply, September, South Omaha, Nebr. ....	2.25
12	C. A. Melcher .....	Varnish, September, South Omaha, Nebr. ....	15.90
12	do .....	do .....	2.50
12	W. Jackson et al .....	Salaries, September .....	349.40
12	Charles F. Nesbit .....	Salary, September .....	97.80
12	Bay State Clean Towel Furnishing Co. ....	Towel supply, September, Somerville, Mass. ....	4.65
13	Edward Story .....	Telegrams, July, 1893 .....	7.45
13	do .....	Telegrams, August and September, 1893. ....	2.92
13	John C. Jenkins .....	Services and expenses, Sept. 11 to 30, 1893. ....	106.52
13	Thomas Manufacturing Co .....	Inspection tags, August and September, 1893. ....	35.75
13	Standard Supply Co .....	Lead seals .....	7.00
13	American Ice Co .....	Ice, July, August, and September, 1893 ....	12.82
13	Charles R. Talbert .....	Hay, oats, and bran, September .....	268.37
17	United States Express Co .....	Expressage, September .....	6.80
17	Thomas Manufacturing Co .....	Meat-inspection tags, September and October. ....	35.75
17	Standard Supply Co .....	Lead seals .....	70.00
17	James T. Stuart .....	Ivory soap, etc., September .....	.36
17	Joseph Hawkins .....	Services, 12 days in September .....	60.00
17	W. T. Devoe .....	Salary and expenses, September .....	303.22
17	H. A. Hedrick .....	Office expenses, September .....	4.44
17	J. F. Ryder .....	Salary and expenses, September .....	301.00
17	W. H. Wray .....	do .....	439.76
18	Thomas Manufacturing Co .....	Meat-inspection tags, September and October. ....	35.75
18	W. T. White et al .....	Salaries, September .....	682.46
19	Geo. R. Seiffert .....	1 paper shelf .....	.50
20	G. W. Ward .....	Salary and expenses, September .....	134.10
20	Griffin & Connelly .....	Ice furnished, September, Chicago .....	8.03
20	Wm. C. Honan .....	Salary and expenses, Sept. 18, 1893 .....	122.49
20	C. J. Sihler .....	Office expenses .....	3.00
20	Adams Express Co .....	Expressage .....	8.00
21	A. Hoen & Co .....	Inspection stamps .....	125.00
21	Standard Supply Co .....	Lead seals .....	280.00
21	Thomas Manufacturing Co .....	Meat tags .....	9.75
21	Stuart Bros. & Co .....	Inkstand, pens, pencils, etc. ....	2.58
21	W. D. Robbins .....	Repairing locks .....	1.25
21	J. A. Doe .....	Ice furnished (South Omaha, Nebr.) September. ....	2.80
21	Packers National Bank .....	Rent rooms (South Omaha, Nebr.) September. ....	45.00
21	William D. Jorden .....	Salary and expenses, September .....	143.55
23	Thomas Manufacturing Co .....	Condemned meat tags .....	13.75
23	do .....	do .....	5.75

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Oct. 22	Thomas Manufacturing Co. ....	Condemned meat tags. ....	\$5.75
24	do .....	do .....	13.75
28	Albert Dean .....	Telegrams, July .....	23.14
28	do .....	Telegrams, August .....	15.02
28	do .....	Telegrams, September .....	7.45
28	Frederick Gross .....	Wood used in Baltimore, Md., September ..	4.50
28	L. A. Waters .....	Mucilage .....	4.00
28	F. S. Russell .....	Salary and expenses, September .....	230.50
31	Rand, McNally & Co .....	Stationery supplies, September, Chicago, Ill. ....	9.65
31	H. D. Mayne .....	Salary and expenses, September .....	146.85
31	Nelson P. Hinkley .....	Rent of rooms, September, Buffalo, N. Y. ....	25.00
31	Fowler Manufacturing Co., limited. ....	Towel service, September .....	5.58
31	Louis Shangran .....	1 mare killed, maladie du coit .....	30.00
31	Emanuel Romaro .....	do .....	30.00
31	Batiste Poirier .....	2 horses killed (1 stallion), maladie du coit. ....	185.00
31	Fowler Chur, General manager American Railway Supply Co. ....	Cattle tags, Oct. 20 .....	16.25
31	Standard Supply Co .....	Lead seals .....	70.00
31	Thomas Manufacturing Co .....	Meat inspection tags, September .....	130.00
31	do .....	Meat tags, Oct. 10 .....	7.75
31	do .....	Meat tags, Oct. 18 .....	5.75
31	do .....	Meat tags .....	5.75
31	do .....	Meat tags, September and October .....	35.75
31	do .....	Meat hooks .....	15.00
Nov. 1	D. E. Salmon et al. ....	Salaries for October .....	4,369.90
1	H. J. Ruppert .....	Rent ground on Bennings road, October .....	41.66
1	Wyckoff, Seamans & Benedict ..	Repairs to typewriter .....	.75
3	Washington Gas Light Co. ....	Gas in October .....	16.50
3	Ohio and Mississippi Rwy. ....	Freight charges on tags .....	6.50
3	Metropolitan Telephone and Telegraph Co. ....	Rent telephone, in September .....	22.25
3	do .....	Rent telephone, September, New York .....	20.00
3	Vandalia Line .....	Freight on 1 box inspection stamps .....	4.37
3	Standard Supply Co .....	Lead seals .....	700.00
3	Thomas Manufacturing Co. ....	Condemned meat tags .....	7.75
4	A. R. Stevens .....	Repairing harness .....	2.25
4	S. J. Weeks .....	Repairing buggy .....	5.25
4	Thomas Manufacturing Co .....	Meat inspection tags .....	35.75
4	do .....	Condemned meat tags .....	7.75
4	do .....	do .....	5.75
4	Standard Supply Co .....	Lead seals .....	70.00
4	do .....	do .....	7.00
4	R. W. Hickman et al. ....	Salaries for October .....	635.90
4	John Broderick .....	Office rent, New York City, October .....	16.00
4	W. H. Rose et al. ....	Salaries, October .....	940.80
4	W. H. Rose .....	Expenses, October .....	9.22
4	James Stikeman .....	Office rent, New York City, October .....	45.83
4	Daniel D. Lee et al. ....	Salaries, October .....	781.50
4	Isaac L. Ball et al. ....	do .....	407.60
4	H. A. Hedrick .....	Salary and expenses .....	174.60
4	J. B. Van Sciver & Co .....	Desk and chairs, October, Camden, N. J. ....	22.50
4	Julius Huelsen et al. ....	Salaries, October .....	727.40
4	Julius Huelsen .....	Expenses, October .....	3.25
4	A. K. Robertson .....	Salary and expenses, October .....	260.72
4	O. H. Hall et al. ....	Salaries, October .....	303.30
6	Standard Supply Co .....	Lead seals .....	280.00
6	Thomas Manufacturing Co. ....	Meat-inspection tags .....	325.00
6	do .....	Condemned-meat tags .....	50.00
6	do .....	Meat-inspection tags .....	32.50
6	do .....	Condemned-meat tags .....	17.00
6	do .....	do .....	4.75
6	Chas. R. Talbert .....	Straw and hay .....	248.33
6	Edwd. H. Flood et al. ....	Salaries for October .....	495.10
6	John Doris, jr., et al. ....	do .....	242.10
6	James Peevey et al. ....	do .....	666.10
6	Louis R. Baker et al. ....	do .....	2,370.84
6	A. D. Melvin .....	Salary and expenses .....	213.50
7	Charles F. Nesbit .....	Salary for October .....	101.10
7	E. A. Clapp .....	Office rent, East St. Louis, October .....	10.00
7	Campbell & Gregg .....	Toilet supplies, October .....	4.50
7	Drake Brothers .....	Damar varnish, etc. ....	4.05
7	Davenport Fisher .....	Office and miscellaneous expenses, October ..	10.78
7	Davenport Fisher et al. ....	Salaries for October .....	1,084.35
7	James T. Stuart et al. ....	do .....	700.72
7	Evan H. Pritchard et al. ....	do .....	521.70
7	James J. Brougham et al. ....	do .....	383.90
7	John Michels et al. ....	do .....	832.22
7	S. C. O'Neill et al. ....	do .....	485.35

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Nov. 7	W. D. Robbins et al.....	Salaries for October.....	\$178. 50
7	Ed. R. Allen et al.....	do.....	802. 10
7	B. Westermann & Co.....	Foreign publications.....	7. 75
9	Edward Story.....	Salary for October.....	101. 10
9	do.....	Expenses for October.....	1. 84
9	D. Cumming.....	Salary for October.....	60. 00
9	M. L. Young.....	do.....	60. 00
9	Chas. A. Wilcox.....	do.....	101. 10
9	John A. Bell.....	Services and expenses for October.....	9. 60
9	S. Stewart et al.....	Salaries for October.....	2, 423. 93
9	Keystone Land and Cattle Co.....	1 horse killed, maladie du coit.....	30. 00
9	Geo. C. Faville.....	Salary and expenses in October.....	281. 35
9	Edward Shelden.....	do.....	448. 75
9	Edward H. Flood.....	Expenses in October.....	4. 76
9	Ed R. Allen.....	do.....	2. 00
9	American Railway Supply Co.....	Cattle tags.....	65. 00
9	St. Louis and San Francisco Rwy. Co.....	Transportation for A. K. Robertson.....	33. 45
10	C. J. Sihler et al.....	Salaries, October.....	1, 585. 33
10	A. C. Fulkerson.....	Towel supply, October, Kansas City.....	9. 06
10	R. G. Ramsey.....	Supplies, October.....	6. 00
10	A. O. Stoltzing.....	Supplies, October, Kansas City.....	47. 95
10	G. W. Tourtellot.....	Rent of rooms, October, Kansas City.....	45. 00
10	A. Holzmark.....	Supplies, October, Kansas City.....	14. 45
10	Gahan & Byrne.....	Office rent, October, Chicago.....	209. 00
10	Norman R. Adams et al.....	Salaries, October, Chicago.....	2, 382. 18
10	C. Becker.....	Push lap robe.....	6. 50
11	David Pifferling.....	2 cows.....	30. 00
11	W. M. Galt & Co.....	Meal, bran, etc.....	31. 13
11	W. S. White et al.....	Salaries for October.....	764. 70
11	Howard Rhoads et al.....	do.....	555. 90
11	Union Stock Yard and Transit Co.....	Office rent, October, Chicago.....	15. 00
11	William C. Howan.....	Salary and expenses, October.....	125. 25
11	Bernhard P. Wendel et al.....	Salaries for October.....	528. 70
11	W. D. Robbins.....	Expenses for October.....	7. 40
11	Layton & Co.....	Repairs at abattoir.....	100. 00
13	Bausch & Lomb Optical Co.....	Repairing microtome knives.....	2. 50
13	Thomas Manufacturing Co.....	Meat inspection tags.....	130. 00
13	H. A. Hedrick.....	Expenses during October.....	3. 46
13	Alex. Yearley & Son.....	Office rent in October, Baltimore, Md.....	10. 00
13	Fowler Manufacturing Co., limited.....	Towel service, October, Buffalo, N. Y.....	4. 80
13	Frank J. Thornbury et al.....	Salaries, October.....	925. 60
13	Adams Express Co.....	Transportation, A. D. Melvin et al, October.....	52. 55
14	W. S. Devoe.....	Salary and expenses, October.....	333. 22
14	A. D. Melvin.....	Expenses, October.....	38. 40
14	Charles Cowie.....	Services, October.....	52. 99
14	Joseph Hawkins.....	do.....	60. 00
14	Albert Dean.....	Salary and expenses, October.....	184. 19
14	William D. Jorden.....	do.....	147. 85
16	Packers National Bank.....	Rent of rooms, October, South Omaha, Nebr.....	45. 00
16	A. C. Raymer.....	Repairing boxes, October, South Omaha, Nebr.....	11. 70
16	J. A. Doe.....	Ice furnished, October, South Omaha, Nebr.....	2. 40
16	Evans Laundry Co.....	Towel supply, October, South Omaha, Nebr.....	3. 25
16	J. P. Cooke & Co.....	1 stamp.....	2. 50
16	J. E. Blackwell et al.....	Salaries for October.....	2, 642. 08
16	Nelson P. Hinkley.....	Salary and expenses, October.....	180. 06
16	S. J. Nelson.....	1 ton coal, New York City.....	6. 75
16	J. H. Honan et al.....	Salaries for October.....	915. 70
16	W. A. Wray.....	Salary and expenses, October.....	419. 51
16	J. F. Ryder.....	do.....	294. 50
16	Chicago Telephone Co.....	Telephone service, October.....	10. 42
16	E. Balzer et al.....	Salaries, October.....	1, 744. 05
16	W. E. Hill.....	Salary and expenses, October.....	124. 65
16	Chas. E. Collins.....	do.....	146. 95
16	George C. Moser.....	Salary and expenses, October, 16 days.....	54. 17
16	John C. Jenkins.....	Salary and expenses, October.....	135. 85
16	Charles A. Schaufier et al.....	Salaries, October.....	195. 40
16	Griffin & Connelly.....	Ice furnished, October, Chicago, Ill.....	6. 42
16	Office Toilet Supply Co.....	Toilet supplies, October, Chicago, Ill.....	7. 62
16	Theobald Smith.....	Expenses, October.....	41. 84
17	Nelson P. Hinkley.....	Rent of rooms, October, Buffalo, N. Y.....	25. 00
17	St. Louis National Stock Yards.....	Rent of rooms, October.....	50. 00
17	Jas. J. Brougham.....	Expenses in October.....	1. 00
17	Phillip H. Moore.....	Salary and expenses, October.....	106. 74



Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Nov. 17	Frank T. McMahon .....	Salary, October .....	\$134.80
17	Gustave Branchle .....	do .....	22.83
17	F. L. Russell .....	Salary and expenses, October .....	250.15
17	G. W. Ward .....	do .....	110.70
17	Wingate Jackson et al .....	Salaries, October .....	442.96
17	E. Ellis Williams .....	Cattle ticks .....	2.00
17	Thomas Manufacturing Co .....	Meat-inspection tags .....	65.00
17	do .....	do .....	325.00
17	do .....	do .....	325.00
17	Standard Supply Co .....	Lead seals .....	700.00
17	do .....	do .....	700.00
17	The Missouri Pacific Rwy. Co ..	Transportation John C. Jenkins, September .....	2.00
17	Fremont, Elkhorn and Missouri Valley R. R. Co. ....	Transportation Edward Shelden and G. C. Faville .....	5.56
18	Z. D. Gilman .....	Test tubes, etc .....	86.82
18	Bay State Clean Towel Furnishing Co. ....	Towel supply, October, Somerville, Mass. ....	3.72
18	Wm. Bond & Son .....	Rent of office, October, Boston, Mass. ....	20.00
18	New England Telephone and Telegraph Co. ....	Rent and service of telephone, October, Boston, Mass. ....	10.00
18	T. F. Chilton .....	Coal, October, Kansas City .....	13.00
18	Matilda H. Cowing, executrix ..	Services of W. J. Cowing, Oct. 1 to 16, inclusive .....	78.26
20	Charles F. Dawson .....	Services, October .....	100.00
20	do .....	Services, Nov. 1-9 .....	30.00
20	D. E. Salmon .....	Expenses to Chicago, Ill., and return, October .....	132.50
20	W. Jackson .....	Express charges, etc., Kansas City .....	4.25
20	James T. Stuart .....	Express charges .....	6.29
20	J. H. Honan .....	Express charges and drayage, etc., October and November .....	3.75
20	James J. Brougham .....	Office expenses for September .....	1.05
20	C. J. Sihler .....	Express charges on tags, etc., October .....	2.50
21	Eimer & Amend .....	Cedar oil, etc., November .....	6.00
21	Thomas Manufacturing Co .....	Meat-inspection tags .....	65.00
21	do .....	do .....	35.75
21	do .....	Condemned-meat tags .....	5.75
21	do .....	do .....	2.00
21	Standard Supply Co .....	Lead seals .....	70.00
21	do .....	do .....	7.00
22	Daniel D. Lee .....	Express and freight charges, October .....	12.52
22	C. A. Melcher .....	Varnish, etc .....	22.35
22	J. E. Blackwell .....	Stationery, etc .....	12.40
22	Otis E. Sadler .....	Salary and expenses, October .....	108.48
22	Joel W. Crowe .....	1 stallion killed, maladie du coit .....	100.00
23	R. W. Hickman .....	Expressage on tags, October .....	1.17
23	Joseph Hawkins .....	Services in November, 6 days .....	30.00
24	Perry Hodgden .....	Salary and expenses, Oct. 1-15 .....	49.40
24	Standard Supply Co .....	Lead seals .....	280.00
24	J. B. Mahaffy, agent American Express Co. ....	Expressage, Ottumwa, Iowa .....	2.85
24	L. A. Culbertson .....	Coal for office, Ottumwa, Iowa .....	4.72
24	E. C. Schroeder .....	Travel and expenses, November .....	4.75
25	O. H. Hall .....	Expenses, October .....	3.15
27	J. S. Ford, Johnson & Co .....	1 Office chair (Hammond, Ind.) .....	6.75
27	G. A. Malcom .....	Office rent, etc., October .....	13.00
27	Thomas Manufacturing Co .....	Meat-inspection tags .....	325.00
27	Atchison, Topeka and Santa Fe R. R. Co. ....	Transportation .....	8.35
28	The Metropolitan Telephone and Telegraph Co. ....	Rent of telephone, October, New York City .....	20.45
28	do .....	do .....	21.65
28	Standard Supply Co .....	Lead seals .....	700.00
28	H. D. Mayne .....	Salary and expenses, 18 days, October .....	121.10
28	John C. Parker .....	2 sets leather index numbers, etc., September and October .....	4.50
30	D. E. Salmon et al .....	Salaries for November .....	4,301.18
Dec. 1	A. E. Foote .....	Stossich's I Distomi Mammiferi .....	.75
1	Chas. O. Brockway .....	Hog rings .....	25.00
1	Thomas Manufacturing Co .....	Condemned meat tags .....	10.00
1	J. H. Linehan .....	Salary and expenses, 16 days, December .....	102.55
1	Vandalia Line .....	Freightage, September 16, 1893 .....	3.95
1	Wyckoff, Seamans & Benedict ..	1 No. 2 typewriter, etc., October and November .....	86.20
4	E. A. de Schweinitz .....	Meat for culture media .....	2.80
6	H. J. Ruppert .....	Rent ground on Bennings road, November .....	41.66
6	Washington Gaslight Co .....	Gas, November, laboratory .....	19.25
6	Edward H. Flood et al .....	Salaries, November .....	479.80
6	Edward H. Flood .....	Towel supply, November .....	2.69
6	James J. Brougham et al .....	Salaries, November .....	372.20

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Dec. 6	Isaac L. Ball et al	Salaries, November	\$395.30
6	Arthur F. Lawrence & Co	Coal, November, Baltimore, Md	6.45
6	H. A. Hedrick	Salary and expenses, November	168.70
6	Charles A. Schaufier et al	Salaries, November	189.20
6	James T. Stuart et al	do	788.72
7	Dan'l D. Lee et al	do	743.44
7	John Michels et al	do	902.77
7	Lewis R. Baker et al	do	2,300.20
7	A. D. Melvin	Salary and expenses, November	208.00
7	Norman R. Adams et al	Salaries, November	2,471.30
7	James Peevey et al	do	793.11
7	W. H. Rose et al	do	946.12
7	James Stikeman	Rent of office, November, New York City	45.83
7	W. H. Rose	Expenses, November, New York City	9.75
7	Julius Huelsen et al	Salaries, November	705.20
7	Julius Huelsen	Office expenses, etc., November, Jersey City	4.10
8	J. H. Honan et al	Salaries, November	904.60
8	Evan H. Pritchard et al	do	477.82
8	Howard Rhoads et al	do	652.40
8	W. D. Robbins et al	do	173.00
8	O. H. Hall et al	do	293.40
8	Bernhard P. Wende et al	do	524.60
8	Frank J. Thornbury et al	do	927.36
8	E. Balzer et al	do	1,665.33
8	Davenport Fisher et al	do	1,105.72
8	Wingate Jackson et al	do	450.19
8	R. W. Hickman et al	do	669.11
8	John Doris, jr., et al	do	235.80
8	Ed R. Allen et al	do	895.97
9	S. Stewart et al	do	2,219.40
9	W. S. White et al	do	751.20
9	J. E. Blackwell et al	do	2,904.82
9	C. J. Sihler et al	do	1,683.23
9	S. E. O'Neill et al	do	490.20
9	N. Moersfelder	Sharpening scissors	2.25
9	William C. Honan	Salary and expenses, November	116.87
9	Chas. E. Collins	do	102.30
9	Otis E. Sadler	do	102.94
9	George C. Moser	do	101.00
9	Geo. C. Faville	do	270.80
9	Drake Brothers	Varnish, etc.	7.80
9	Campbell & Gregg	Toilet supplies	4.50
9	Chas. A. Wilcox	Salary	97.80
9	J. H. Linehan	Salary and expenses, November	104.55
9	M. L. Young	Salary, 5 days, November	25.00
9	D. Cumming	Salary, 15 days, November	75.00
9	Charles Cowie	Salary, 24 days, November	120.40
9	Theobald Smith	Expenses in laboratory, October and November.	3.37
9	B. Westermann & Co	Foreign books, November	14.75
9	J. Baumgarten & Son	2 stamps (automatic)	2.75
11	Bausch & Lomb Optical Co.	Mailing boxes	3.75
11	Western Union Telegraph Co.	1 telegram	.43
12	A. D. Melvin	Miscellaneous expenses, November	3.40
12	Gahan & Byrne	Office rent, November, Chicago, Ill	200.00
12	Edward Story	Telegrams	99.09
12	W. S. Devoe	Salary and expenses, November	381.00
12	Joseph A. Bogardus	Carpet tacks	6.00
12	John Broderick	Office rent, November, New York City	16.00
12	G. A. Malcom	Office rent, etc., Hammond, Ind	26.00
12	J. H. Honan	Miscellaneous expenses, Hammond, Ind	3.46
12	G. H. Hammond & Co.	Labeling compound, Hammond, Ind	12.00
12	Altas Tack Corporation	50 pounds of tacks, Hammond, Ind	5.75
12	C. H. Hanson	Ink, brushes, etc., November, Hammond, Ind	2.50
12	Philip M. Moore	Salary and expenses, November	108.83
12	William D. Jordan	do	155.70
12	Dan Cunninghamham	do	234.20
12	Albert Dean	do	156.25
12	Charles F. Nesbet	do	97.80
12	Alex. Yearley & Son	Rent of office, Baltimore, November	10.00
12	H. A. Hedrick	Miscellaneous expenses, Baltimore, November	1.93
12	Frederick Gross	Wood, Baltimore, November	4.00
12	E. A. Clapp	Rent of office, East St. Louis, November	10.00
12	Daniel D. Lee	Miscellaneous expenses, November	4.05
12	New England Telephone and Telegraph Co.	Exchange service and rental	10.00
12	Bay State Clean Towel Furnishing Co.	Towel supply, November	3.72

Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## BUREAU OF ANIMAL INDUSTRIES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Dec. 12	Wm. Bond & Son.....	Office rent, Boston, November.....	\$20.00
12	Arthur Ponto.....	Transporting sample boxes.....	7.00
12	Union Stock Yard and Transit Co.	Office rent, Chicago, November.....	15.00
12	Wm. D. Robbins.....	Stencil plates.....	1.50
12	St. Louis National Stock Yards.	Rent of rooms, November.....	50.00
12	James T. Stuart.....	Office and miscellaneous expenses, November.	2.43
12	G. W. Tourtellot.....	Rent of room, Kansas City, November.....	45.00
12	A. O. Stoeltzing.....	Supplies, Kansas City, November.....	43.90
12	Evans Gallaher Drug Co.....	Paste and varnish brushes, November.....	6.00
12	James Sullivan.....	Coal, November.....	7.50
12	Chicago and Erie R. R. Co.....	Freight on lead seals, November.....	15.84
12	Z. D. Gilman.....	Chemicals, etc., November.....	13.78
12	Chicago Telephone Co.....	Telephone service, Chicago, November.....	10.42
12	The Office Toilet Supply Co.....	Toilet supplies, Chicago, November.....	6.14
12	Paul Rieser.....	Repairing lock boxes, etc., November.....	3.25
12	Rand, McNally & Co.....	Manila envelopes, etc., November.....	2.00
12	John A. Bell.....	Services and expenses, 2 days in November.....	19.20
12	C. A. Melcher.....	Varnish, turpentine, etc.....	34.65
12	Koutsky Bros.....	Tacks.....	13.50
12	J. E. Blackwell.....	Miscellaneous expenses, November.....	4.55
12	Evans Laundry Co.....	Towel supply, South Omaha, November.....	3.25
12	Packers' National Bank.....	Rent of rooms, South Omaha, November.....	45.00
12	Fowler Manufacturing Co., Limited.	Towel service, Buffalo, N. Y., November.....	4.80
12	Nelson P. Hinkley.....	Rent of rooms, etc., Buffalo, N. Y., November.	25.00
12	Fred W. Huntington.....	Services, 4 days.....	20.00
12	United States Express Co.....	Express charges, November.....	3.80
12	C. O. Brockway.....	Hog rings.....	25.00
13	H. D. Mayne.....	Services and expenses, 11 days, November.....	67.60
13	J. A. Liggett.....	Services, 16 days, November.....	31.30
13	James Riley.....	Services, 17 days, November.....	34.00
13	J. F. Ryder.....	Salary and expenses, November.....	286.00
13	Nelson P. Hinkley.....	Salary, November.....	146.80
13	A. C. Fulkerson.....	Towel supply, Kansas City, Kans., November.	8.10
13	Chicago and Northwestern Rwy Co.	Freight on lead seals.....	3.33
13	Davenport Fisher.....	Office expenses, Milwaukee, Wis., November.	3.77
13	A. L. Reynolds.....	Varnish and tacks, November.....	2.10
14	The Missouri Pacific Rwy. Co.....	Transportation, Jno. C. Jenkins, October.....	5.45
14	Simon Kelly.....	Salary, November.....	58.80
14	John C. Jenkins.....	Salary and expenses, November.....	162.58
14	O. H. Hall.....	Miscellaneous expenses, November.....	1.90
14	A. Hoen & Co.....	Engraving and printing illustrations, December.	1,200.00
14	do.....	Inspection tags.....	125.00
14	F. L. Russell.....	Services and expenses, November, 23 days.....	274.24
16	Griffin & Connelly.....	Ice, November, Chicago office.....	5.40
16	Burdett & Williams.....	Tacks, etc., November, Somerville, Mass.....	4.50
16	Dan McCuningham.....	Salary and expenses, November.....	168.55
16	American Railway Supply Co.....	Cattle tags, December.....	81.25
16	do.....	do.....	81.25
18	John Bingham.....	Stationery, November, New York.....	1.90
18	Thomas McDermott.....	Salary, Dec. 1-14, 1893.....	27.39
18	Chas. W. Petty.....	Salary, Dec. 1-15, 1893, less two Sundays.....	32.50
18	American Railway Supply Co.....	Cattle tags.....	32.50
18	Thomas Manufacturing Co.....	Meat tags, December.....	10.00
18	do.....	Meat tags, October.....	5.75
18	do.....	Meat tags, November.....	2.75
18	Standard Supply Co.....	Lead seals, December.....	140.00
18	do.....	Lead seals, October.....	70.00
18	do.....	Lead seals, November.....	7.00
19	Jamaica Plain News.....	Printing lists of cattlemen, December.....	3.00
19	G. W. Ward.....	Services and expenses, November (4 days).....	23.90
19	Hannibal and St. Jo R. R. Co.....	Freight charges.....	16.18
19	United States Express Co.....	Transportation.....	1.55
22	O. H. Hall et al.....	Salaries, December, 1893.....	146.73
22	E. C. Schroeder.....	Expenses, December, 1893.....	7.65
26	Edward Shelden.....	Salary and expenses, November, 1893.....	245.75
26	Freemont, Elkhorn and Missouri Valley R. R. Co.	Transportation, November, 1893.....	40.76
26	Thomas Manufacturing Co.....	Condemned meat tags.....	9.75
26	do.....	Meat inspection tags.....	65.00
26	Adams Express Co.....	Transportation.....	12.05
26	The Metropolitan Telephone and Telegraph Co.	Telegraph services and rent, November.....	20.30



*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## BUREAU OF ANIMAL INDUSTRIES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Dec. 26	Chas. O. Brockway	Hog rings	\$50.00
26	George B. Richards	Tacks	12.50
30	The Oxley & Wilson Manufacturing Co.	Willard's labeling compound	30.00
30	Standard Supply Co.	Lead seals	700.00
30	D. E. Salmon et al.	Salaries for December	4,302.50
	Salaries and expenses in quarter.		123,282.33
	Rent of laboratory		300.00
	Swine plague		1,153.40
	Additional compensation		500.00
	Total amount of vouchers in second quarter.		125,235.73
1894.			
Jan. 2	F. L. Kilborne	Expenses, November, 1893	3.51
2	J. Baumgarten & Son.	Rubber stamps, pads, December	11.70
3	Chas. W. Badger	Varnish, etc.	2.95
3	Wm. Bond & Son	Rent office, Boston, Mass., December	20.00
3	Daniel D. Lee	Office and miscellaneous expenses, Boston, Mass., December.	6.10
3	W. H. Wray	Salary and expenses, November	402.40
3	The Metropolitan Telephone and Telegraph Co.	Telephone rent.	21.35
3	H. J. Ruppert	Rent of ground on Bennings road, December.	41.66
4	Chas. A. Schaufler et al.	Salaries, December	195.40
4	Isaac L. Ball et al.	do	407.60
4	Edward H. Flood et al.	do	495.10
4	R. W. Hickman et al.	do	669.25
4	John Doris, jr., et al.	do	225.70
4	Albert Dean et al.	do	269.50
4	John Michels et al.	do	1,209.88
4	Dan'l D. Lee et al.	do	764.60
6	Evan H. Pritchard et al.	do	700.28
6	C. J. Sihler et al.	do	1,651.71
6	C. H. Davies et al.	do	968.18
8	J. E. Blackwell et al.	do	3,104.30
8	Western Union Telegraph Co.	Telegrams, August	11.18
8	do	Telegrams, July	14.56
8	do	Telegrams, September	10.50
8	Chas. R. Talbert	Oats, etc.	50.93
8	Annie Burnett	Washing towels, December	3.90
8	Chas. F. Nesbit	Salary, December	101.10
9	Lewis R. Baker et al.	Salaries, December	2,350.13
9	E. Balzer et al.	do	1,687.97
9	Norman R. Adams et al.	do	2,548.75
10	Frank J. Thornbury et al.	do	965.86
10	Nelson P. Hinkley	Salary, December	151.60
10	Bernhard P. Wende et al.	Salaries, December	550.92
10	Julius Huelsen	Office and miscellaneous expenses, December.	2.70
10	Julius Huelsen et al.	Salaries, December	727.40
10	William D. Jorden	Salary and expenses, December	119.05
10	Dan McCuningham	Salary, December	101.10
10	S. Stewart et al.	Salaries, December	2,289.40
10	D. Cunningham	Salary, December, 8 days.	40.00
10	Wingate Jackson	Office expenses, December	10.15
10	J. H. Linchen	Salary, December	101.10
10	St. Louis National Stock Yards	Rent office, December	29.25
10	James J. Brugham et al.	Salaries, December	375.50
10	John Broderick	Office rent, December, New York	16.00
10	E. A. Clapp	Office rent, December, East St. Louis	10.00
10	American Railway Supply Co.	Cattle tags	16.25
10	James Peevey et al.	Salaries, December	761.80
10	I. H. Honan et al.	do	933.90
10	Fred W. Huntington	Salary, December, 18 days	90.00
10	W. S. White et al.	Salaries, December	595.23
10	S. E. O'Neill et al.	do	496.50
10	John Airth et al.	do	314.90
10	James T. Stuart et al.	do	809.72
10	W. H. Rose et al.	do	909.06
11	Davenport Fisher et al.	do	1,074.16
11	H. A. Hedrick	Salary and expenses, December.	160.50
11	do	Office and miscellaneous expenses, December.	2.19
11	Frederick Gross	Coal, December, Baltimore, Md.	6.45
11	Alex. Yearly & Son	Rent office, December, Baltimore, Md.	10.00

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Jan. 11	Chesapeake and Potomac Telephone Co.	Rent telephone, quarter ending Dec. 31, 1893.	\$25.00
11	A. C. Fulkerson .....	Towel supply, December, Kansas City, Kans.	8.10
11	Evans Gallagher Drug Co .....	Supplies, December, Kansas City, Kans.	2.24
11	James Sullivan .....	do .....	9.50
11	A. O. Stoeltzing .....	do .....	39.20
11	F. P. Burnap .....	do .....	3.25
11	G. W. Tourtellot .....	Rent of rooms, December .....	45.00
11	Griffin & Connelly .....	Ice, December, Chicago, Ill .....	4.50
11	Rand, McNally & Co .....	Supplies, December, Chicago, Ill .....	7.45
11	The Office Toilet Supply Co .....	Toilet supplies, December, Chicago, Ill .....	6.12
11	Chicago Telephone Co .....	Telephone service, December, Chicago, Ill .....	10.42
11	Gahan & Byrne .....	Office rent, December, Chicago, Ills .....	200.00
11	A. D. Melvin .....	Salary and expenses, December .....	213.50
11	Simon Kelly .....	Salary, December .....	60.60
11	H. D. Mayne .....	Salary and expenses, December, 8 days, New York.	48.60
11	Edward Shelden .....	Salary and expenses, 2 days .....	26.63
11	B. Westermann & Co .....	Foreign publications .....	23.75
11	The Chesapeake and Potomac Telephone Co.	Exchange rental, etc., December .....	37.19
12	Packers' National Bank .....	Rent of rooms, December, South Omaha .....	45.00
12	Evans Laundry Co .....	Towel supply, December, South Omaha .....	3.25
12	Campbell & Gregg .....	Towel supplies, December, Milwaukee .....	4.50
12	Arthur Ponto .....	Services, December, 24 days .....	24.00
12	Davenport Fisher .....	Office and miscellaneous expenses, December.	5.10
12	The Bell Telephone Co. of Philadelphia.	Use telephone, Oct. 1 to Dec. 31, 1893 .....	30.00
12	Edward H. Flood .....	Office and miscellaneous expenses, December.	4.49
12	G. W. Ward .....	Services and expenses, December, 2 days.,	11.25
12	Daniel D. Lee .....	Express charges, December .....	.35
12	New England Telephone and Telegraph Co.	Telephone rental, December .....	10.00
12	Burditt & Williams .....	Tacks, December .....	25.92
12	Bay State Clean Towel Furnishing Co.	Towel supply, December .....	4.65
12	James Stikeman .....	Rent of office, December .....	45.87
12	W. H. Rose .....	Office and miscellaneous expenses, December.	13.20
12	M. Swigert .....	1 black stallion killed (maladie du coit) .....	150.00
12	Geo. C. Faville .....	Salary and expenses, December .....	170.28
12	Wingate Jackson et al .....	Salaries, December .....	496.75
12	Oxley & Wilson Manufacturing Co.	Willard's labeling compound, November.	5.60
13	F. L. Kilborne .....	Telegrams and expenses, December .....	179.66
13	Union Stock Yard and Transit Co.	Office rent, December, Chicago .....	15.00
16	Charles E. Parker .....	Salary, December, 10 days .....	50.00
16	do .....	Salary, November, 4 days .....	20.00
16	W. H. Wray .....	Salary and expenses, December, 31 days .....	415.61
16	J. F. Ryder .....	Salary and expenses, December .....	309.50
16	C. A. Melcher .....	Varnish, etc., December .....	33.10
16	Standard Supply Co .....	Lead seals, December .....	420.00
16	Koutsky Bros .....	Tacks, etc., December .....	32.05
16	J. P. Cook & Co .....	Canceling stamp, December .....	2.50
16	James T. Stuart .....	Office and miscellaneous expenses, December.	3.58
16	Charles Cowie .....	Salary, December, 9 days .....	45.00
16	Nelson P. Hinkley .....	Rent of room, December, Buffalo, N. Y .....	25.00
16	do .....	Office and miscellaneous expenses, December, Buffalo, N. Y.	3.75
16	do .....	Office and miscellaneous expenses, October, 1893, Buffalo, N. Y.	5.65
16	W. H. Keeler .....	Ink, etc., October, 1893, Buffalo, N. Y .....	12.50
16	do .....	1 stamp, September, 1893, Buffalo, N. Y .....	4.50
16	do .....	5 stamps, December, 1893, Buffalo, N. Y .....	1.50
16	Peter Paul & Bro .....	Day books, etc., August, 1893, Buffalo, N. Y.	4.15
16	do .....	Inkstands, etc., September, 1893, Buffalo, N. Y.	2.60
16	W. C. Farel .....	2 canvas cases, December, 1893, Buffalo, N. Y.	3.50
16	Peters & Eichel .....	Repairing boxes, etc., November, 1893, Buffalo, N. Y.	4.75
16	Fowler Manufacturing Co., Limited.	Towel service, December, 1893, Buffalo, N. Y.	6.00
16	S. L. Brooking .....	Salary for December .....	117.90

Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Jan. 16	S. L. Brooking	Office and miscellaneous expenses, December.	\$2.00
16	W. S. Devoe	Salary and expenses, December	316.35
16	G. A. Malcom	Office rent, etc., December	26.00
16	Thomas Manufacturing Co.	Inspection tags, December	195.00
16	do	Meat hooks, December	15.00
16	do	do	15.00
16	do	Inspection tags, December	65.00
16	do	Meat tags, December	4.00
17	D. Piferling	1 heifer for experiments	15.00
17	W. M. Galt & Co.	Meal, etc., December	35.43
17	Z. D. Gilman	Corrosive sublimate, etc., November	4.85
17	Pennsylvania R. R. Co.	Transportation, December	11.20
17	The Missouri Pacific Rwy. Co.	Transportation furnished J. C. Jenkins, October and November.	7.75
17	L. A. Culbertson	Coal, Ottumwa, Iowa, December	5.20
17	A. D. Melvin	Office and miscellaneous expenses, December.	5.55
17	Frank T. McMahon	Salary, December	134.80
17	do	Office and miscellaneous expenses, December.	10.15
17	J. E. Blackwell	do	12.70
18	United States Express Co.	Transportation	3.50
18	do	do	18.75
18	Davenport Fisher	Stencils	1.20
18	Charles F. Nesbit	Salary, January 1-15	50.00
18	F. L. Russell	Salary and expenses, January, 9 days	106.38
20	A. B. McCleary	2 barrels corn smut	5.00
20	Kansas City, Fort Scott and Memphis R. R. Co.	Transportation for J. C. Jenkins.	10.00
20	Baltimore and Ohio R. R. Co.	Transportation, November, 1893	1.20
20	Western Union Telegraph Co.	Telegraph service, July, Chicago	19.65
20	do	Telegraph service, August, Chicago	6.66
20	do	Telegraph service, September, Chicago	10.73
20	do	Telegraph service, October, Chicago	5.35
20	do	Telegraph service, November, Chicago	.85
20	Central R. R. Co. of New Jersey	Freight on paper tags, November, 1893	1.15
23	Thomas Manufacturing Co.	Meat inspection tags	325.00
23	Standard Supply Co.	Lead car seals	700.00
23	Adams Express Co.	Transportation, D. E. Salmon et al., December.	15.10
24	Wilmarth & Edmonston	1 Pasteur filter tube	1.00
25	A. Sampson	Ink, pens, etc.	13.25
26	A. Hoen & Co.	Interstate inspection stamps	1,250.00
30	Western Union Telegraph Co.	Telegraphing, November, 1893	9.13
30	Thomas Manufacturing Co.	Meat inspection tags	65.00
30	Standard Supply Co.	Lead seals	70.00
31	D. E. Salmon et al.	Salaries, January	4,259.40
Feb. 1	Michael K. Boyer	Books of reference, January	3.15
1	John Airth	Varnish brushes, etc.	9.15
1	A. Hoen & Co.	Freight and express charges	34.12
1	Atlas Tack Corporation	Tacks, Hammond, Ind.	5.75
1	Thomas Manufacturing Co.	Meat inspection tags	325.00
1	Oxley & Wilson Manufacturing Co.	Labeling compound	34.00
1	The Metropolitan Telephone and Telegraph Co.	Rent of telephone, December, New York	21.05
1	do	do	20.00
2	Western Union Telegraph Co.	Telegrams, October	7.34
2	Washington Gaslight Co.	Gas, December, 1893	22.50
3	Standard Supply Co.	Lead seals	700.00
3	Julius Huelsen et al.	Salaries, January, 1894	742.00
5	Edward H. Flood	Office expenses, January, 1894	1.71
5	Edward H. Flood et al.	Salaries, January, 1894	506.30
5	Daniel D. Lee et al.	do	781.80
5	W. H. Rose et al.	do	917.70
5	R. W. Hickman et al.	do	654.10
5	H. A. Hedrick et al.	do	554.60
5	John Doris, jr., et al.	do	286.10
5	Charles A. Schaufler et al.	do	199.80
5	Lewis E. Baker et al.	do	3,031.80
6	A. D. Melvin	Salary and expenses, January, 1894	217.20
6	James T. Stuart et al.	Salaries, January, 1894	817.40
6	Evan H. Pritchard et al.	do	770.50
6	Wm. M. Balmer et al.	do	1,215.23
6	Jas. V. Devine et al.	do	837.80
6	James J. Broughman et al.	do	444.10
6	Geo. C. Faville	Salary and expenses, January, 1894	129.60
6	E. A. de Schweinitz	Meat, January, 1894	2.67
6	Chas. R. Talbert	Hay, etc., January, 1894	219.77



Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1894. Feb. 6	H. J. Ruppert.....	Rent land on Bennings road, January, 1894.	\$50.00
7	Norman R. Adams et al.....	Salaries, January.....	2,498.00
7	E. Balzer et al.....	do.....	1,761.96
7	S. E. O'Neill et al.....	do.....	315.60
7	W. D. Robbins et al.....	do.....	149.33
7	Wingate Jackson et al.....	do.....	508.10
7	Joseph Bruser et al.....	do.....	146.10
7	Simon Kelly.....	Salary, January.....	62.00
8	J. E. Blackwell et al.....	Salaries, January.....	3,086.20
8	W. T. White et al.....	do.....	183.90
8	C. J. Sihler et al.....	do.....	1,431.70
8	S. L. Brooking et al.....	do.....	1,169.50
8	J. H. Honan et al.....	do.....	953.90
8	Nelson P. Hinkley.....	do.....	745.20
8	Frank C. Nesbit.....	Salary, January 16-31, inclusive.....	53.33
8	Washington Gaslight Co.....	Gas, January.....	21.75
9	Frank J. Thornbury et al.....	Salaries, January.....	977.30
9	Davenport Fisher et al.....	do.....	415.91
9	W. S. Devoe.....	Salary and expenses, January.....	355.70
9	Albert Dean.....	do.....	174.25
9	William D. Jorden.....	do.....	103.30
9	J. D. Linehan.....	do.....	103.30
9	D. Cumming.....	Salary, 8 days, January.....	40.00
9	St. Louis National Stock Yard.....	Rent of office, January.....	29.25
9	Robt. Keith.....	Repairing chair.....	2.75
9	H. C. Arnold.....	Varnish, soap, etc.....	7.80
9	Geo. B. Richards.....	Tacks.....	27.00
9	J. H. Honan.....	Express and freight charges, January.....	3.70
9	G. A. Malcom.....	Office rent, heat, and water, January.....	26.00
9	Geo. C. Faville.....	Office expenses, Norfolk and Newport News, Va., January.....	2.33
9	Julius Huelsen.....	Office and miscellaneous expenses, January.....	4.60
9	Daniel D. Lee.....	Postage and towel supply, January.....	3.00
9	New England Telephone and Telegraph Co.....	Rental of telephone, January, Boston, Mass.....	10.00
9	Wm. Bond & Son.....	Rent office, January, Boston, Mass.....	20.00
9	Union Stock Yard and Transit Co.....	Rent office, January, Chicago, Ill.....	15.00
9	J. H. Leonard.....	Coal, January, Kansas City, Mo.....	13.00
9	Richards & Conover.....	Tacks, January, Kansas City, Mo.....	4.25
9	John Broderick.....	Office rent, January, New York City.....	16.00
9	B. Westermann & Co.....	Foreign publications.....	146.00
10	S. Stewart.....	Salary, January.....	120.60
10	A. L. Reynolds.....	Varnish, etc.....	2.00
10	L. A. Culbertson.....	Coal, January, Ottumwa, Iowa.....	4.10
10	W. H. Rose.....	Office and miscellaneous expenses, January.....	11.70
10	James Stikeman.....	Rent office, January, New York City.....	45.83
10	Bay State Clean Towel Furnishing Co.....	Towel supply, January, Somerville, Mass.....	3.72
10	Wm. M. Balmer.....	Office and miscellaneous expenses, January.....	4.50
10	A. D. Melvin.....	Gasoline, etc., Chicago, January.....	2.45
10	Rand, McNally & Co.....	Stationery, Chicago, January.....	3.35
10	Paul Rieser.....	Repairing lock, etc., Chicago, January.....	5.40
10	The Office Toilet Supply Co.....	Toilet supplies, Chicago, January.....	8.29
10	Chicago Telephone Co.....	Telephone service, Chicago, January.....	10.42
10	Atlas Tack Corporation.....	Tacks, Chicago, January.....	11.50
10	Gahan & Byrne.....	Office rent, etc., Chicago, January.....	200.00
10	A. O. Stoeltzing.....	Tacks, January, Kansas City.....	30.75
10	G. W. Toutellott.....	Room rent, January, Kansas City.....	45.00
10	N. Moersfelder.....	Sharpening scissors, January.....	2.70
10	Fowler Manufacturing Co., Limited.....	Towel service, January.....	4.80
10	Nelson P. Hinkley.....	Rent of rooms and telephone service, January.....	25.00
10	J. W. Bond & Co.....	Stationery, Baltimore, Md., January.....	2.50
10	C. J. Stewart & Sons.....	1 dozen hog ringers, Baltimore, Md., January.....	2.50
10	H. A. Hedrick.....	Office expenses, Baltimore, Md., January.....	2.85
10	Arthur F. Lawrence & Co.....	Coal, Baltimore, Md., January.....	6.70
10	Alex. Yearley & Son.....	Office rent, Baltimore, Md., January.....	10.00
12	F. W. Huntington.....	Salary and expenses, 25 days, January.....	126.00
12	Metropolitan Ice Co.....	Ice, January.....	5.25
12	James J. Duffy.....	Services in January.....	70.00
12	Charles E. Parker.....	Services in January, 6 days.....	30.00
12	S. J. Nelson.....	1 ton coal.....	6.75
12	Chas. O. Brockway.....	Hog ringers.....	5.00
13	Thomas Manufacturing Co.....	Meat inspection tags.....	65.00

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Feb. 13	Standard Supply Co .....	Lead seals .....	\$140.00
13	Dan McCuningham .....	Salary, January .....	103.30
13	Packer's National Bank .....	Rent of rooms, January, South Omaha, Nebr. ....	45.00
13	J. E. Blackwell .....	Candles, etc., January, South Omaha, Nebr. ....	4.80
13	E. Morrison Paper Co. ....	Labels .....	.50
14	Pennsylvania Co .....	Transportation, G. C. Faville, November, 1893. ....	17.50
14	John Airth et al. ....	Salaries, January .....	322.10
14	S. L. Brooking .....	Hammers, brushes, etc., Kansas City, Kans. ....	2.20
14	A. C. Fulkerson .....	Towel supply, January, Kansas City, Kans. ....	1.08
14	J. F. Ryder .....	Salary and expenses, January .....	298.20
14	Standard Supply Co .....	Lead seals, January .....	280.00
14	Thomas Manufacturing Co .....	Meat inspection tags, January .....	325.00
14	W. M. Galt & Co .....	Meal, etc., January .....	31.70
14	Edward Allen .....	3 canceling stamps, January .....	7.50
17	Charles Elmer .....	Salary, January .....	54.00
17	C. A. Melcher .....	Varnish, glue, etc., January .....	28.95
17	Koutsky Bros .....	Tacks, etc., January .....	26.90
19	The Baltimore and Ohio Southwestern Rwy. Co. ....	Freight charges, September, 1893. ....	16.25
20	Evans Laundry Co. ....	Towel supply, South Omaha, Nebr., January. ....	3.25
21	The Lawyers' Cooperative Publishing Co. ....	General Digest, vol. 8. ....	6.00
21	Hugh Reilly .....	Replacing broken glass at station, September, 1893. ....	5.75
21	Adams Express Co .....	Transportation, G. A. Norgood et al., January, 1894. ....	6.20
23	United States Express Co .....	Transportation, January .....	1.10
24	Geo. W. Knox Express .....	Freight and drayage, January .....	5.49
27	Thomas Manufacturing Co .....	Meat inspection tags, December, 1893. ....	130.00
28	D. E. Salmon et al. ....	Salaries for February, 1894. ....	3,888.28
Mar. 1	Bullen & McKeever .....	6 chickens .....	2.25
1	W. B. Moses & Sons. ....	Cloth to re-cover desk .....	6.00
2	The Metropolitan Telephone and Telegraph Co. ....	Rent and service of telephone, January .....	22.15
2	F. L. Kilborne. ....	Cabbage .....	4.00
2	do .....	do .....	4.00
2	do .....	do .....	2.00
2	John C. Parker .....	White index cards, etc. ....	18.20
2	Simon Kelly .....	Salary for February .....	56.00
2	A. Hoen & Co .....	Maps showing Southern fever quarantine line. ....	125.00
2	H. J. Ruppert .....	Rent of land on Bennings road, February. ....	50.00
2	W. H. Lowdermilk & Co. ....	1 National Dispensatory .....	6.40
2	Washington Gaslight Co. ....	Gas, February .....	22.25
3	Wm. Bond & Son .....	Rent office, Boston, Mass., February. ....	20.00
3	New England Telephone and Telegraph Co. ....	Exchange service, Boston, Mass., February. ....	10.00
3	Edward H. Flood et al. ....	Salaries, February .....	457.40
3	Edward H. Flood .....	Office and miscellaneous expenses, February. ....	3.00
3	Frank C. Nesbit .....	Salary, February .....	93.40
3	Geo. C. Faville .....	Salary and expenses, February .....	114.05
3	Julius Huelson et al. ....	Salaries and expenses, February .....	504.00
3	Julius Huelson .....	Office expenses, February .....	2.45
3	W. H. Rose et al .....	Salaries, February .....	865.00
3	H. A. Hedrick et al. ....	do .....	501.30
3	J. Baumgarten & Sons. ....	Rubber stamp, etc. ....	1.80
3	John C. Parker .....	Shipping tags .....	4.50
5	James T. Stuart .....	Office expenses, February .....	.58
5	do .....	do .....	.15
5	James T. Stuart et al .....	Salaries, February .....	729.67
5	Dan'l D. Lee .....	Office and miscellaneous expenses, February. ....	3.00
5	Dan'l D. Lee et al .....	Salaries, February .....	706.40
5	Bay State Clean Towel Furnishing Co. ....	Towel supply, February, Somerville, Mass. ....	3.72
5	Wm. M. Balmer .....	Repairing roller stamp .....	1.00
5	Wm. M. Balmer et al .....	Salaries, February .....	1,117.40
5	J. H. Honan et al .....	do .....	801.20
5	Frank T. McMahon et al. ....	do .....	855.74
5	James T. Brougham et al. ....	do .....	402.80
5	John Airth et al .....	do .....	290.80
5	S. E. O'Neill et al .....	do .....	273.80
5	W. D. Robbins et al .....	do .....	212.40
5	Chas. A. Schauflier et al .....	do .....	180.40
5	O. H. Hall et al .....	do .....	140.01
5	R. W. Hickman et al .....	do .....	638.47
5	A. D. Melvin .....	Salary and expenses, February .....	200.60

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Mar. 6	Baltimore and Ohio Southwest- ern Rwy. Co.	Freight on paper stamps.....	\$3.70
6	Thomas Manufacturing Co.....	Meat inspection tags.....	325.00
6	D. Cumming.....	Salary, February, 3 days.....	15.00
6	John A. Bell.....	Services and expenses, February, 1 day.....	9.60
6	Fred. W. Huntington.....	Services, February, 18 days.....	90.00
6	Gustave Brauchle et al.....	Salaries, February.....	355.73
6	George W. Koontz.....	Salary, February.....	25.00
6	Evan H. Pritchard et al.....	Salaries, February.....	740.60
6	Baltimore and Ohio Rwy. Co.....	Freight on paper tags.....	2.20
7	W. S. White et al.....	Salaries, February.....	232.13
7	J. E. Blackwell et al.....	do.....	2,729.10
7	Kate H. Baker et al.....	do.....	129.87
7	S. L. Brooking et al.....	do.....	1,071.00
7	Frank J. Thornbury et al.....	do.....	883.00
7	Adolph M. Caspar et al.....	do.....	186.07
7	Joseph Bruser et al.....	do.....	396.05
7	W. H. Wray.....	Salary and expenses, February.....	414.16
7	E. C. Schroeder.....	Expenses.....	3.05
8	T. T. Keare.....	2 beef hearts and lungs.....	.50
8	Lewis R. Baker et al.....	Salaries, February.....	3,168.90
8	E. Balzer et al.....	do.....	2,105.47
9	Norman R. Adams et al.....	do.....	1,994.00
9	C. J. Sihler et al.....	do.....	1,491.40
9	Bernhard P. Wende et al.....	do.....	528.60
9	Fowler Manufacturing Co., Lim- ited.	Towel service, February, Buffalo, N. Y.....	4.80
9	Nelson P. Hinkley.....	Salary and expenses, February.....	146.00
9	do.....	Rent of rooms, etc., February, Buffalo, N. Y.....	25.00
9	do.....	Office and miscellaneous expenses, Febru- ary, Buffalo, N. Y.....	3.25
9	Albert Dean.....	Salary and expenses, February.....	150.95
9	Wm. D. Jordan.....	do.....	120.65
9	Dan. McCuningham.....	do.....	93.40
9	Philip A. Moore.....	Salary and expenses, Feb. 15 to 18, inclusive.....	48.67
9	J. O. McKee.....	do.....	48.24
9	William Frear.....	Agricultural Science.....	.20
9	W. L. Devoe.....	Salary and expenses, February.....	278.05
9	John Doris, jr., et al.....	Salaries, February.....	258.80
9	J. H. Lineham.....	Salary, February.....	93.40
9	A. C. Fulkerson.....	Towel service, February, Kansas City, Kans.....	1.85
9	G. W. Tourtellot.....	Rent of rooms, February, Kansas City, Kans.....	45.00
9	A. O. Stoeltzing.....	Supplies furnished, February, Kansas City, Kans.....	23.05
9	Alex. Yearley & Son.....	Rent of office, February, Baltimore, Md.....	10.00
9	Frederick Gross.....	Coal and wood, February, Baltimore, Md.....	8.50
9	H. A. Hedrick.....	Office and miscellaneous expenses, Febru- ary, Baltimore, Md.....	1.25
10	H. C. Keeling.....	Salary and expenses, February.....	47.13
10	James Wilson.....	Salary, February.....	46.67
10	A. S. Gregg.....	do.....	46.67
10	Chas. Traux, Green & Co.....	Supplies furnished, February, Chicago, Ill.....	1.40
10	A. D. Melvin.....	Office and miscellaneous expenses, Febru- ary, Chicago, Ill.....	2.55
10	Metropolitan Ice Co.....	Ice, February, Chicago, Ill.....	4.20
10	The Office Toilet Supply Co.....	Toilet supplies, February, Chicago, Ill.....	8.45
10	Chicago Telephone Co.....	Telephone service, February, Chicago, Ill.....	10.42
10	Gahan & Byrne.....	Office rent, etc., February, Chicago, Ill.....	200.00
10	Chas. A. Wilcox.....	Salary, February.....	46.67
10	St. Louis National Stock Yard.....	Rent of office, February, National Stock Yards, Ill.....	29.25
10	Chas. E. Parker.....	Services, 5 days, February.....	25.00
10	John Broderick.....	Office rent, New York City.....	16.00
10	A. G. Wallace.....	2 stamp stencils.....	2.00
10	Edward Allen.....	1 dating stamp, etc.....	5.55
10	E. A. Clapp.....	Office rent, February, East St. Louis, Ill.....	5.00
10	John Airth.....	Paste, benzine, etc.....	6.25
10	Union Stock Yard and Transit Co.	Office rent, February, Chicago, Ill.....	15.00
10	Rand, McNally & Co.....	Supplies, February, Chicago, Ill.....	81.50
10	do.....	do.....	7.10
10	American Railway Supply Co.....	Metal cattle tags.....	195.00
12	W. H. Rose.....	Office and miscellaneous expenses, Febru- ary.....	12.80
12	James Stikeman.....	Rent office, February, New York.....	45.83
12	J. E. Blackwell.....	Office and miscellaneous expenses, Febru- ary, South Omaha.....	7.50
12	Packers' National Bank.....	Rent rooms, South Omaha.....	45.00
12	C. A. Melcher.....	Soap, varnish, etc., South Omaha.....	20.90



Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Mar. 12	Koutsy Bros.	Tacks, South Omaha.	\$22.50
12	John C. Jenkins.	Salary and expenses, February.	49.17
12	Standard Supply Co.	Lead seals.	140.00
12	do.	do.	700.00
12	Star Union Line.	Freight charges, December.	16.70
12	Louisville, New Albany and Chicago Rwy. Co.	Freight charges.	14.75
12	The Chesapeake and Potomac Telephone Co.	Telephone rent, March.	15.00
12	Theobald Smith.	Expenses, February.	61.91
12	do.	Expenses, December, January and Feb'y.	2.52
12	P. L. Lyles.	Custom-house charges on ink, March.	.75
13	Adolph M. Caspar.	Brass stencils.	1.80
13	Edward Story.	Salary and expenses, February.	47.57
13	The Metropolitan Telephone and Telegraph Co.	Telephone rent, January, New York.	20.00
13	S. Stewart.	Salary, February.	108.80
13	Chas. O. Brockway.	Hog rings, Chicago.	100.00
13	Standard Supply Co.	Lead seals.	420.00
13	Thomas Manufacturing Co.	Meat inspection tags.	195.00
13	do.	Condemned meat tags.	2.00
13	Chas. R. Talbert.	Oats, bran, and hay.	208.26
13	United State-Express Co.	Transportation, December.	3.33
13	do.	Transportation, February.	1.25
14	Patrick Henry Griffin.	Salary, February.	56.00
14	J. H. Honan.	Black stencil ink.	1.50
14	John Summers.	Salary, February.	56.00
14	G. A. Malcom.	Office rent, etc., February, Hammond, Ind.	26.00
14	Standard Supply Co.	Lead seals.	378.00
14	W. H. Wray.	Salary and expenses, February.	350.00
14	J. F. Ryder.	do.	287.52
14	Z. D. Gilman.	Flask, corks, vials, etc.	48.32
14	do.	Chemicals.	36.01
14	do.	Thermometers, etc.	13.60
14	Ernest Betz.	Repairing copper incubator.	5.00
16	Adams Express Co.	Transportation, February.	1.00
16	Leipsner & Mathews.	Wheel stamp, dater, etc.	8.00
16	Lawton & Burnap.	Tablets, pens, etc.	6.20
17	Gustave Branchle.	Letter file, letter book, etc.	2.90
17	Robert A. Taylor.	Services, March.	6.00
17	Anna M. Watkins.	2 cows, tuberculosis.	30.00
17	The Baltimore and Ohio South-western Rwy. Co.	Freight on paper tags.	19.20
17	do.	Freight on meat inspection stamps, etc.	14.38
17	do.	Freight on paper tags.	6.50
19	Standard Supply Co.	Lead seals.	140.00
19	do.	do.	700.00
20	Franz Kral.	Agar tubes, etc., March.	11.00
20	D. E. Salmon.	Expenses to Rochester, N. Y., February.	29.77
21	P. S. Lyles.	Telegram, Feb. 23, 1894.	.60
21	Bausch & Lomb Optical Co.	1 microtome, etc.	47.20
21	The Chicago, Rock Island and Pacific Rwy. Co.	Transportation, September, 1893.	8.90
21	Western Union Telegraph Co.	Telegrams, December, 1893.	4.01
23	W. H. Lowdermilk & Co.	1 United States Dispensatory, sheep.	6.40
24	Western Union Telegraph Co.	Telegrams, January.	7.16
26	L. H. Hopkins.	Brooms, forks, etc., February.	6.25
30	The Missouri, Kansas and Texas Rwy. Co.	Transportation for D. McCuningham, July, 1893.	20.70
30	Burlington and Missouri River R. R. in Nebr.	Freight on paper tags, October, 1893.	1.66
30	Vandalia Line.	Freight on lead seals, January, 1894.	4.03
30	The Metropolitan Telephone and Telegraph Co.	Rent of telephone, February, New York.	21.95
30	do.	Rent of telephone, February, New York City.	20.00
30	Standard Supply Co.	Lead seals.	140.00
30	A. Hoen & Co.	Interstate meat-inspection stamps, March.	900.00
31	S. J. Nelson.	Coal, February, New York City.	6.75
31	D. E. Salmon et al.	Salaries, March, 1894.	4,254.63
	Total salaries and expenses, third quarter.		115,315.09
	Total rent of laboratory, third quarter.		300.00
	Total swine plague, third quarter.		1,324.42
	Additional temporary compensation, third quarter.		250.00
	Total third quarter.		117,189.51

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Apr. 2	F. L. Kilborne.....	Expenses to and from North Carolina in March, 1894.	\$26.50
2	Western Union Telegraph Co.	Telegrams, February, 1894.....	5.34
3	Star Union Line.....	Freight on lead seals.....	16.90
5	Julius Huelsen et al.....	Salaries for March, 1894.....	558.00
5	R. W. Hickman et al.....	do.....	754.10
5	H. A. Hedrick et al.....	do.....	526.60
5	Joseph Bruser et al.....	do.....	447.80
5	Chas. A. Schauflier et al.....	do.....	199.80
5	A. D. Melvin.....	Services and expenses.....	217.20
5	David Piferling.....	3 cows for experiments, March, 1894.....	50.00
5	H. J. Ruppert.....	Rent of land on Bennings road, March, 1894.....	50.00
5	Washington Gaslight Co.....	Gas for March, 1894.....	20.50
6	F. T. McMahon et al.....	Salaries for March, 1894.....	1,051.60
6	N. R. Adams et al.....	do.....	2,164.00
6	L. R. Baker et al.....	do.....	3,723.54
6	D. D. Lee et al.....	do.....	781.80
6	Jas. T. Stuart et al.....	do.....	657.59
6	Jas. J. Brougham et al.....	do.....	446.10
6	O. H. Hall et al.....	do.....	309.90
6	E. H. Pritchard et al.....	do.....	889.60
6	Henry Brister et al.....	do.....	785.30
6	W. H. Rose.....	Salary and expenses, March, 1894.....	184.32
6	Z. D. Gilman.....	Chemicals, February and March, 1894.....	42.19
6	F. W. Huntington.....	Services, 21 days, March, 1894.....	105.00
6	Z. D. Gilman.....	Chemicals, February and March, 1894.....	4.35
7	Geo. C. Farille.....	Salary and expenses, March, 1894.....	124.60
7	Frank C. Nesbit.....	Salary, March, 1894.....	103.30
7	Edwd. Story.....	Salary and expenses, March, 1894.....	104.68
7	Chas. A. Wilcox.....	Salary, March, 1894.....	103.30
7	D. Cumming.....	Services, 7 days, March, 1894.....	35.00
7	C. J. Sihler et al.....	Salaries, March, 1894.....	1,663.59
7	W. M. Balmer et al.....	do.....	1,237.43
7	S. L. Brooking et al.....	do.....	1,172.50
7	G. Branchle et al.....	do.....	500.26
7	John Arith et al.....	do.....	384.10
7	S. E. O'Neill et al.....	do.....	338.93
7	W. S. White et al.....	do.....	250.63
7	E. Balzer et al.....	do.....	2,497.20
9	W. S. Devoe.....	Salary and expenses, March, 1894.....	379.18
9	W. D. Robbins et al.....	Salaries, March, 1894.....	290.30
9	John Dorris, jr., et al.....	do.....	262.10
9	Wm. C. Honan.....	Salary and expenses, March, 1894.....	125.58
9	Chas. E. Parker.....	do.....	25.00
9	E. H. Flood et al.....	Salaries, March, 1894.....	506.30
9	S. Stewart et al.....	do.....	615.64
9	N. P. Hinkley et al.....	do.....	695.20
9	F. J. Thornbury et al.....	do.....	981.97
9	J. E. Blackwell et al.....	do.....	2,946.70
10	Albert Dean.....	Salary and expenses, March, 1894.....	198.05
10	John C. Jenkins.....	Salary, March, 1894.....	103.30
10	Wm. D. Jorden.....	Salary and expenses, March, 1894.....	141.33
10	A. S. Gregg.....	do.....	126.15
10	Geo. C. Moser.....	do.....	117.55
10	T. L. J. Shields.....	do.....	110.95
10	Philip H. Moore.....	do.....	108.91
10	J. O. McKee.....	do.....	106.43
10	H. C. Keeling.....	do.....	104.56
10	A. M. Casper et al.....	Salaries, March, 1894.....	178.63
10	Fowler Manufacturing Co., Limited.	Towel service, Buffalo, N. Y., March, 1894.....	4.80
10	N. P. Hinkley.....	Rent of rooms, etc., Buffalo, N. Y., March, 1894.....	25.00
10	do.....	Office and miscellaneous expenses, March, 1894.....	1.04
10	G. A. Malcom.....	Office rent, etc., Hammond, Ind., March, 1894.....	26.00
10	J. H. Honan et al.....	Salaries, March, 1894.....	947.90
10	Wm. M. Balmer.....	Office and miscellaneous expenses, March, 1894.....	1.25
10	Bay State Clean Towel Furnishing Co.	Towel supply, March, 1894.....	4.65
10	J. H. Linehan.....	Salary, March, 1894.....	103.30
10	Simon Kelly.....	do.....	62.00
10	The Bell Telephone Co., of Philadelphia.	For use telephone, Jan. 1 to Mar. 31, 1894.....	30.00
10	Edw. H. Flood.....	Office and miscellaneous expenses, March, 1894.....	1.00
10	St. Louis National Stock Yards.	Office rent, March, 1894.....	29.25
10	Jas. J. Brougham.....	Brushes, tacks, etc., March, 1894.....	1.50

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Apr. 10	Oxley & Wilson Manufacturing Co.	Labeling compound, etc., March, 1894.....	\$4.85
10	John Broderick.....	Office rent, New York City, March, 1894.....	16.00
10	Union Stock Yards and Transit Co.	Office rent, Chicago, Ill., March, 1894.....	15.00
10	Chas. Cowie.....	Salary and expenses, March, 1894.....	10.40
10	E. A. Clapp.....	Office rent, National Stock Yards, Illinois, March, 1894.....	10.00
10	E. E. Bruce & Co.....	Glue, etc., March, 1894.....	8.25
10	L. A. Culbertson.....	Coal, ink, etc., March, 1894.....	2.00
10	Gustave Branchie.....	Washing towels, March, 1894.....	1.69
10	W. H. Wray.....	Salary and expenses March, 1894.....	387.50
10	J. F. Ryder.....	do.....	298.20
10	E. C. Schroeder.....	Expenses, March, 1894.....	11.14
11	Pennsylvania R. R. Co.....	Transportation, No. 3941, April, 1894.....	3.50
11	Thos. J. Conry.....	Drayage, April, 1894.....	1.68
11	B. Westermann & Co.....	Foreign publications.....	25.50
11	W. M. Galt & Co.....	Meal, bran, and middlings, March, 1894.....	39.89
11	Office Toilet Supply Co.....	Toilet supplies, Chicago, March, 1894.....	8.74
11	Chicago Telephone Co.....	Telephone service, Chicago, March, 1894.....	10.42
11	Rand, McNally & Co.....	Ink, pads, and sponges, March, 1894.....	10.80
11	C. H. Hanson.....	Rubber type, etc., March, 1894.....	36.35
11	Gahan & Byrne.....	Office rent, etc., Chicago, March, 1894.....	200.00
11	H. A. Hedrick.....	Office and miscellaneous expenses, March, 1894.....	2.15
11	Chesapeake and Potomac Telephone Co.	Rent of telephone, Baltimore, Md., March, 1894.....	25.00
11	Alex Yearley & Son.....	Office rent, Baltimore, Md., March, 1894.....	10.00
12	New England Telegraph and Telephone Co.	Telephone rent, Boston, Mass., March, 1894.....	10.00
12	Wm. Bond & Son.....	Office rent, Boston, Mass., March, 1894.....	20.00
13	W. B. King.....	Wooden sign, March, 1894.....	6.00
13	F. P. Burnap.....	Pencils and ink, March, 1894.....	1.55
13	H. C. Leipsner.....	Repairs on wheel stamp, etc., March, 1894.....	2.25
13	James Sullivan.....	Coal, Kansas City, March, 1894.....	3.50
13	W. A. Griswold.....	Soap, Kansas City, March, 1894.....	4.50
13	Evans Gallagher Drug Co.....	Varnish, Kansas City, March, 1894.....	41.60
13	A. O. Stoeltzing.....	Tacks and gasoline, Kansas City, March, 1894.....	41.80
13	G. W. Tourtellot.....	Room rent, Kansas City, March, 1894.....	45.00
13	Paul Rieser.....	Lantern and knives, Chicago, March, 1894.....	3.40
13	W. H. Rose.....	Office and miscellaneous expenses, New York City, March, 1894.....	17.85
13	H. P. Kirkham & Son.....	Lumber, etc., April, 1894.....	19.25
13	James Stikeman.....	Office rent, New York City, March, 1894.....	45.83
13	F. L. Kilborne.....	Expenses, April, 1894.....	52.69
14	The Baltimore and Ohio Southwestern Rwy. Co.	Freight on paper tags, January, 1894.....	35.95
14	American Rwy. Supply Co.....	Metal cattle tags, March, 1894.....	32.50
14	do.....	Metal cattle tags, April, 1894.....	6.50
14	Thomas Manufacturing Co.....	Meat hooks, March, 1894.....	7.50
16	A. Hoen & Co.....	Meat-inspection stamps, April, 1894.....	750.00
16	A. C. Fulkerson.....	Towel supply, Kansas City, March, 1894.....	3.77
16	J. E. Blackwell.....	Office and miscellaneous expenses, March, 1894.....	11.90
16	Norfolk, Newbern and Washington Direct Line.	Freight on cattle, April, 1894.....	65.00
16	A. E. Foote.....	Raillet's Elements Zoology Medicales, April, 1894.....	3.75
17	C. S. Kenfield.....	Cleaning and repairing clock, April, 1894.....	1.50
18	W. D. Robbins.....	Turpentine, rubber stamp, etc., March, 1894.....	8.60
18	John Flynn.....	Paving chute, etc., April, 1894.....	8.65
18	A. D. Melvin.....	Chemicals and expressage, March, 1894.....	9.65
18	C. A. Melcher.....	Varnish, turpentine, etc., March, 1895.....	34.55
18	Packers National Bank, South Omaha, Nebr.	Rent of rooms, South Omaha, Nebr., March, 1894.....	45.00
18	James Wilson.....	Salary and expenses, March, 1894.....	118.05
18	Dan McCunningham.....	do.....	150.71
18	Z. D. Gilman.....	Spring forceps, etc., March, 1894.....	240.25
18	John C. Parker.....	1 Hammond typewriter, etc., April, 1894.....	120.00
19	F. P. Hallar.....	Cancelling stamps, etc., March, 1894.....	5.00
19	A. F. Nash.....	Varnish, etc., March, 1894.....	12.52
19	Beach & Weld.....	Hammers, tacks, etc., March, 1894.....	2.75
19	John Airth.....	Lock and keys, etc., March, 1894.....	2.00
21	A. B. Schacher.....	Stationery, Hammond, Ind., March, 1894.....	3.00
21	Wyckoff, Seamans & Benedict.....	Letter paper, March, 1894.....	42.00
23	Z. D. Gilman.....	Sweet spirits of nitre, etc., March, 1894.....	1.68
23	Adams Express Co.....	Express charges, March, 1894.....	17.35
23	United States Express Co.....	do.....	5.75



*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Apr. 23	W. H. Bradford	Expenses, April, 1894	\$12.25
24	Minnis & Martyn	Stove-pipe joints, September, 1893	3.00
24	S. L. Brooking	Express charges on tags, etc., March, 1894	1.00
24	Jas. T. Stuart	Varnish brushes, etc., March, 1894	3.00
24	A. Hoen & Co.	Interstate meat-inspection stamps, April, 1894	750.00
25	Theobald Smith	Freight charges, March, 1894	.25
28	C. H. Hanson	One stamp, etc., April, 1894	2.09
28	Thomas Manufacturing Co.	Meat-inspection tags, April, 1894	65.00
28	do	Meat hooks, April, 1894	7.50
28	Standard Supply Co.	Lead seals, March, 1894	140.00
28	do	do	700.00
28	do	Lead seals, April, 1894	700.00
30	American Railway Supply Co.	Metal cattle tags, April, 1894	16.25
May 1	D. E. Salmon et al.	Salaries, April, 1894	4,082.66
1	H. J. Ruppert	Rent of land on Bennings road, April, 1894	50.00
2	Theobald Smith	Traveling expenses, April, 1894	15.70
2	The Metropolitan Telephone and Telegraph Co.	Rent of telephone, March, 1894	20.00
2	Dan'l D. Lee	Towel supply, March and April	2.00
2	American Railway Supply Co.	Metal cattle tags, April, 1894	65.00
2	do	do	32.50
2	Vandalia Line	Freight charges, February, 1894	2.29
3	E. H. Flood	Towel supply, etc., April, 1894	2.40
3	E. H. Flood et al.	Salaries, April, 1894	484.40
3	W. H. Rose	Use towels and telephone, April, 1894	8.00
3	W. H. Rose et al.	Salaries, April, 1894	916.20
3	The Metropolitan Telegraph and Telephone Co.	Rent of telephone, March, 1894	21.00
3	James Stikeman	Rent of office, New York, April, 1894	45.83
3	Julius Huelsen	Office expenses, March, 1894	2.45
3	Julius Huelsen et al.	Salaries for April, 1894	533.90
3	C. A. Schaufier et al.	do	191.20
3	H. A. Hedrick et al.	do	530.80
3	American Railway Supply Co.	Metal cattle tags, April 25, 1894	65.00
3	do	Metal cattle tags, April 27, 1894	65.00
4	D. D. Lee et al.	Salaries for April, 1894	748.10
4	J. J. Brougham et al.	do	426.80
4	J. H. Honan et al.	do	891.20
4	John Doris, jr., et al.	do	221.60
4	Chas. A. Wilcox	Salary for April, 1894	98.90
4	Simon Kelly	do	59.30
4	Geo. C. Faville	Salary and expenses for April, 1894	126.90
4	Metropolitan Ice Co.	Ice, Chicago, March, 1894	5.10
4	Washington Gaslight Co.	Gas, April, 1894	22.25
4	O. H. Hall et al.	Salaries for April, 1894	395.60
4	Wm. M. Balmer et al.	do	1,168.84
4	G. A. Malcom	Office rent, April, 1894	26.00
4	John Broderick	Office rent, New York, April, 1894	16.00
4	Edw'd Story	Salary for April, 1894	98.90
4	Joseph Bruser et al.	Salaries, April, 1894	313.20
4	W. E. Hill	Salary and expenses, April, 1894	118.40
4	James Wilson	Salary, April, 1894	98.90
5	Z. D. Gilman	Thermometers, etc., March and April, 1894	18.20
5	E. C. Schroeder	Expenses, April, 1894	14.05
5	E. H. Pritchard et al.	Salaries for April, 1894	919.42
5	R. W. Hickman et al.	do	725.20
5	G. Brauchle et al.	do	561.22
5	John Airth et al.	do	367.50
5	W. D. Robbins et al.	do	283.31
5	A. D. Melvin	Salary and expenses, April, 1894	209.80
5	Wm. C. Honan	do	120.54
5	F. W. Huntington	do	105.50
8	N. R. Adams et al.	Salaries for April, 1894	1,922.20
8	L. R. Baker et al.	do	3,646.60
8	Jas. T. Stuart et al.	do	539.85
8	F. T. McMahon et al.	do	1,015.30
8	S. Stewart et al.	do	244.08
9	Albert Dean	Salary and expenses, April, 1894	159.00
9	J. O. McKee	do	101.67
9	T. L. J. Shields	Salary, April, 1894	98.90
9	H. C. Keeling	Salary and expenses, April, 1894	99.65
9	D. Cumming	Salary, 2 days, April, 1894	10.00
9	Edw. Shelden	Salary and expenses, April, 1894	94.88
9	W. S. Devoe	do	320.22
9	D. D. Lee	Office expenses, April, 1894	3.60
9	New England Telephone and Telegraph Co.	Rent, etc., of telephone, April, 1894	10.00
9	Wm. Bond & Son	Office rent, Boston, April, 1894	20.00
9	John A. McDonald	Paste brushes, etc., April, 1894	5.70

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
May 9	H. C. Arnold .....	Turpentine, etc., March and April, 1894....	\$24.75
9	Charles Cowie .....	Service, 1 day, April, 1894 .....	5.00
9	Union Stock Yards and Transit Co. ....	Office rent, Chicago, April, 1894 .....	15.00
9	C. O. Brockway .....	Hog rings, April, 1894 .....	50.00
9	N. P. Hinkley et al. ....	Salaries for April, 1894 .....	665.92
9	F. J. Thornbury et al. ....	do .....	1,088.32
9	W. S. White et al. ....	do .....	211.00
9	J. E. Blackwell et al. ....	do .....	2,817.43
10	Wm. D. Jorden .....	Salary and expenses, April, 1894 .....	177.49
10	Geo. C. Moser .....	do .....	136.42
10	Philip H. Moore .....	do .....	107.60
10	James T. Stuart .....	Varnish and turpentine, April, 1894 .....	1.08
10	John Arith .....	Office and miscellaneous expenses, April, 1894 .....	1.85
10	John Doris, jr. ....	do .....	2.25
10	Gustave Branchle .....	Washing towels, etc., April, 1894 .....	2.95
10	John Q. Adams .....	Canceled stamps, etc., April 25, 1894 .....	2.50
10	do .....	Canceled stamps, etc., April 30, 1894 .....	2.50
10	Bay State Clean Towel Furnishing Co. ....	Towel supply, April, 1894 .....	3.72
10	Wm. M. Balmer .....	Express charges, April, 1894 .....	.80
10	J. H. Linehan .....	Salary and expenses, April, 1894 .....	98.90
10	St. Louis National Stock Yards .....	Office rent, April, 1894 .....	29.25
10	James J. Brougham .....	Expressage, April, 1894 .....	.40
10	E. A. Clapp .....	Office rent, East St. Louis, April, 1894 .....	10.00
10	S. J. Nelson .....	Coal, April, 1894 .....	6.75
10	Julius Huelsen .....	Freight charges, April, 1894 .....	4.10
10	Chicago and Erie R. R. Co. ....	Freight on lead seals, March, 1894 .....	8.12
10	American Railway Supply Co. ....	Cattle tags, April, 1894 .....	32.50
10	do .....	do .....	6.50
10	F. L. Kilborne .....	Expenses to North Carolina, April and May, 1894 .....	39.15
10	do .....	Cabbage, April, 1894 .....	2.75
10	do .....	Cabbage, March, 1894 .....	7.00
10	E. A. de Schweinitz .....	Meat for culture media, April, 1894 .....	3.00
10	United States Express Co. ....	Transportation, April, 1894 .....	3.90
11	E. Balzer et al. ....	Salaries, April, 1894 .....	2,460.78
12	W. C. Rayen .....	Salary, April, 1894 .....	100.00
12	G. W. Tourtellot .....	Rent rooms, Kansas City, Kans., April, 1894 .....	45.00
12	Virgil A. Mathews .....	Ink, etc., April, 1894 .....	4.50
12	Fowler Manufacturing Co., Limited. ....	Towel service, April, 1894 .....	4.80
12	Nelson P. Hinkley .....	Rent rooms, etc., Buffalo, N. Y., April, 1894 .....	25.00
12	do .....	Varnish, glue, etc., April, 1894 .....	4.15
12	do .....	Express charges, April, 1894 .....	1.70
12	C. J. Sihler .....	do .....	1.80
12	A. C. Fulkerson .....	Towel supply, April, 1894 .....	1.77
12	F. P. Burnap .....	Pens, etc., Kansas City, Kans., April, 1894 .....	1.70
12	A. F. Lawrence & Co. ....	Quarter cord oak wood, April, 1894 .....	2.50
12	H. A. Hedrick .....	Stationery, Baltimore, Md., April, 1894 .....	6.21
12	Alex. Yearley & Son .....	Rent office, Baltimore, Md., April, 1894 .....	10.00
12	J. P. Cooke & Co. ....	Canceled stamp, etc., April, 1894 .....	3.35
12	C. A. Melcher .....	Varnish, etc., April, 1894 .....	6.50
12	J. E. Blackwell .....	Towel supply, April, 1894 .....	6.55
12	E. E. Bruce & Co. ....	Glue, varnish, etc., April, 1894 .....	20.84
12	Packers' National Bank .....	Rent rooms, Omaha, Nebr., April, 1894 .....	45.00
12	Paul Rieser .....	Lock boxes repaired, etc., April, 1894 .....	4.15
12	A. D. Melvin .....	One stamp, etc., April, 1894 .....	6.00
12	Thayer & Jackson Stationery Co. ....	Ruling blanks, April, 1894 .....	7.50
12	Rand, McNally & Co. ....	Stationery, April, 1894 .....	8.55
12	The Office Toilet Supply Co. ....	Toilet supplies, April, 1894 .....	9.60
12	Chicago Telephone Co. ....	Telephone service, April, 1894 .....	10.42
12	Gahan & Byrne .....	Office rent, etc., Chicago, Ill., April, 1894 .....	200.00
12	Sabiston, Murray & Co. ....	The American Veterinary Review, 8 numbers, April, 1877, to March, 1883. ....	4.00
12	W. H. Wray .....	Salary and expenses, April, 1894 .....	375.00
12	J. F. Ryder .....	do .....	287.80
12	Chas. E. Parker .....	Salary, 2 days, April, 1894 .....	10.00
12	Geo. C. Faville .....	Telegrams, etc., April, 1894 .....	2.04
14	Nellie E. O'Dowd .....	Services, 1 day, April, 1894 .....	1.65
14	Metropolitan Ice Co. ....	Ice, April, 1894 .....	3.70
14	S. L. Brooking et al. ....	Salaries, April, 1894 .....	1,036.52
14	C. J. Sihler et al. ....	do .....	1,721.62
14	American Railway Supply Co. ....	Metal cattle tags, April, 1894 .....	65.00
14	do .....	do .....	3.25
14	Star Union Line .....	Freight charges, February, 1894 .....	16.95
15	S. E. O'Neill et al. ....	Salaries, April, 1894 .....	306.74
15	A. S. Gregg .....	Salary and traveling expenses, April, 1894 .....	161.80

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
May 15	John C. Jenkins	Salary and traveling expenses, April, 1894	\$127.95
15	Adams Express Co.	Transportation, April, 1894	13.60
16	Thos. J. Conry	Drayage, May 1, 1894	1.02
16	A. Hoen & Co.	Meat-inspection tags, May, 1894	750.00
21	Dan. McCuningham	Salary and expenses, April, 1894	114.09
21	A. M. Casper et al.	Salaries, April, 1894	220.86
21	R. P. Williams	Pasturage, April, 1894	16.25
21	The Chicago and Alton R. R. Co.	Transportation, No. 3930, April, 1894	12.50
23	Thomas Manufacturing Co.	Meat-inspection tags, May, 1894	32.50
23	do	Meat hooks, April, 1894	13.50
23	Standard Supply Co.	Lead seals, May, 1894	700.00
23	Albert Hassall	Expenses to Rockville, Md., May 19, 1894	9.75
24	Thomas Manufacturing Co.	Meat-inspection tags, April, 1894	65.00
24	A. Hoen & Co.	Interstate meat-inspection stamps, May, 1894	180.00
28	Thomas Manufacturing Co.	Meat-inspection tags, April, 1894	325.00
28	do	Meat-inspection tags, May, 1894	325.00
28	do	Meat-inspection tags, February, 1894	292.50
28	do	do	157.95
28	Standard Supply Co.	Lead seals, May, 1894	420.00
28	Thomas Manufacturing Co.	Meat-inspection tags, May, 1894	195.00
28	Standard Supply Co.	Lead seals, May, 1894	70.00
29	Washington and Georgetown R. R. Co.	Car tickets, May, 1894	10.00
29	S. J. Meeks	Repairs to buggy, May, 1894	28.00
29	Chas. R. Talbert	Oats, bran, etc., April, 1894	55.00
31	D. E. Salmon et al.	Salaries, May, 1894	4,239.81
June 1	H. C. Underwood	Boxes, May, 1894	16.69
2	The Metropolitan Telephone and Telegraph Co.	Rent of telephone, New York, April, 1894	20.00
2	do	do	22.05
2	Chas. F. Nesbit	Salary, April, 1894	69.23
2	Western Union Telegraph Co.	Telegrams, April, 1894	8.45
2	H. J. Ruppert	Rent of land on Bennings road, May, 1894	50.00
2	F. L. Kilborne	Expenses, May, 1894	32.40
2	W. H. Rose et al.	Salaries, May, 1894	1,001.58
2	C. A. Schaulfer et al.	do	197.60
2	E. H. Flood et al.	do	501.20
2	E. H. Flood	Expenses, May, 1894	4.59
2	J. Huelsen et al.	Salaries, May, 1894	552.19
2	Julius Huelsen	Office expenses, May, 1894	2.45
4	Edw. Story	Salary, May, 1894	102.20
4	A. Hoen & Co.	Interstate inspection stamps, May, 1894	150.00
4	R. W. Hickman et al.	Salaries, May, 1894	749.60
4	H. A. Hedrick et al.	do	566.62
4	J. H. Honan et al.	do	884.60
4	O. H. Hall et al.	do	408.80
4	Chas. A. Wilcox	Salary, May, 1894	102.20
4	A. D. Melvin	Salary and expenses, May, 1894	260.40
4	D. D. Lee et al.	Salaries, May, 1894	773.80
4	D. D. Lee	Office expenses, May, 1894	3.00
4	John Doris, jr., et al.	Salaries, May, 1894	251.80
4	James J. Brougham et al.	do	441.40
4	Washington Gaslight Co.	Gas for laboratory, May, 1894	18.50
6	E. Balzer et al.	Salaries, May, 1894	2,714.91
6	W. M. Balmer et al.	do	1,504.07
6	James T. Stuart et al.	do	767.35
6	Gustave Branchle et al.	do	647.65
6	Jos. Bruser et al.	do	442.80
6	A. M. Casper et al.	do	196.56
6	W. S. White et al.	do	188.44
7	L. R. Baker et al.	do	3,759.65
7	J. E. Blackwell et al.	do	2,974.41
8	Danl. G. Hatch	Expenses to and from Boston, Mass., May, 1894	66.83
8	C. J. Sihler et al.	Salaries, May, 1894	2,256.36
8	N. R. Adams et al.	do	2,056.86
8	F. T. McMahon et al.	do	1,042.40
8	E. H. Pritchard et al.	do	1,008.28
8	S. Stewart et al.	do	872.56
8	N. P. Hinkley et al.	do	737.72
8	S. E. O'Neill et al.	do	275.70
8	John Arith et al.	do	380.00
8	W. D. Robbins et al.	do	287.72
8	Minnis & Martyn	Repairing water tank, May, 1894	15.60
8	Chas. R. Talbert	White oats, bran, etc., May, 1894	47.60
8	American Railway Supply Co.	Metal cattle tags, May, 1884	97.50
9	Z. D. Gilman	Compressor glasses, April, 1894	85.00
9	James Wilson	Salary, May, 1894	102.20
9	Albert Dean	Salary and expenses, May, 1894	169.82
9	H. C. Keeling	do	102.80



*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
June 9	George C. Moser .....	Salary and expenses, May, 1894	\$139.70
9	T. L. J. Shields .....	do	104.55
9	J. O. McKee .....	do	105.77
9	Philip H. Moore .....	do	108.79
9	Simon Kelly .....	Salary, May, 1894	61.40
9	Sol. Miller .....	do	85.20
9	Geo. C. Faville .....	Salary and expenses, May, 1894	124.70
9	Wm. C. Honan .....	do	123.81
9	Wm. J. Kelly .....	Services, 2 days, April, 1894	4.00
9	Michael Franz .....	Services, 1 day, April, 1894	2.00
9	Peter Fitzpatrick .....	do	2.00
9	Jas. T. Stuart .....	Office and miscellaneous expenses, May, 1894	4.81
9	J. A. Meadows .....	Hay, May, 1894	9.50
9	A. Hoen & Co. ....	Interstate inspection tags, May, 1894	150.00
9	F. J. Thornbury et al .....	Salaries, May, 1894	1,222.19
9	John A. Bell .....	Salary and expenses, 1 day, May, 1894	9.60
9	W. S. Devoe .....	Salary and expenses, May, 1894	337.25
9	Ernest Betz .....	Making troughs, May, 1894	.70
9	Z. D. Gilman .....	Chemicals, April, 1894	56.88
9	do .....	Chemicals, May, 1894	65.36
9	Wm. D. Jordan .....	Salary and expenses, May, 1894	187.37
9	A. S. Gregg .....	do	122.20
11	Chas. E. Parker .....	Salary, 5 days, May, 1894	25.00
11	D. Cumming .....	Salary, 2 days, May, 1894	10.00
11	The Chicago Herald Co .....	Advertising, May, 1894	12.00
11	R. Friedlander & Sohn .....	Foreign publication, April, 1894	1.31
12	Standard Supply Co .....	Lead seals, May, 1894	420.00
12	Union Stock Yards and Transit Co.	Office rent, Chicago, May, 1894	15.00
12	F. T. McMahon .....	Expressage, May, 1894	10.15
12	John Broderick .....	Office rent, New York, May, 1894	16.00
12	F. W. Huntington .....	Salary, 2 days; office rent, May, 1894	34.00
12	Edw. Shelden .....	Salary and expenses, May, 1894	407.65
12	James Stikeman .....	Office rent, New York, May, 1894	45.83
12	W. H. Rose .....	Office and miscellaneous expenses, May, 1894	13.35
12	Gahan & Byrne .....	Office rent, Chicago, May, 1894	200.00
12	The Office Toilet Supply Co .....	Toilet supplies, May, 1894	12.38
12	Rand, McNally & Co. ....	Stationery, etc., May, 1894	13.20
12	Chicago Telephone Co .....	Telephone service, May, 1894	10.42
12	Metropolitan Ice Co .....	Ice, Chicago, May, 1894	8.18
12	Paul Rieser .....	Saw, etc., Chicago, May, 1894	2.35
12	Packers' National Bank .....	Rent of rooms, South Omaha, May, 1894	45.00
12	A. D. Melvin .....	Expressage, April, 1894	3.45
12	J. E. Blackwell .....	Office and miscellaneous expenses, South Omaha, May, 1894	5.90
12	C. A. Melcher .....	Turpentine, etc., South Omaha, May, 1894	4.70
12	Alex. Yearley & Son .....	Office rent, Baltimore, May, 1894	10.00
12	H. A. Hedrick .....	Office and miscellaneous expenses, May, 1894	2.25
12	Wm. M. Balmer .....	do	10.15
12	Bay State Clean Towel Furnishing Co. ....	Towel supply, May, 1894	5.45
12	United States Express Co .....	Transportation, May, 1894	4.60
13	The Peter Paul Book Co .....	Stationery, May, 1894	3.60
13	Jeffrey & Gotshall .....	Repairing microscope, May, 1894	4.75
13	Fowler Manufacturing Co., Limited.	Towel service, Buffalo, N. Y., May, 1894	5.50
13	W. H. Keeler .....	One dating wheel, etc., Buffalo, N. Y., May, 1894	5.75
13	The Larkin Soap Manufacturing Co. ....	Box laundry soap, Buffalo, N. Y., May, 1894	6.00
13	N. P. Hinkley .....	Rent rooms, Buffalo, N. Y., May, 1894	25.00
13	do .....	Office and miscellaneous expenses, Buffalo, N. Y., May, 1894	6.48
13	St. Louis National Stock Yards.	Office rent, Buffalo, N. Y., May, 1894	29.25
13	Nellie F. Marks .....	Services, May 16-31, 1894	26.37
13	New England Telephone and Telegraph Co. ....	Exchange service and telephone rent, May 1894	10.00
13	Wm. Bond & Son .....	Office rent, May, 1894	20.00
13	L. A. Culbertson .....	Coal, May, 1894	2.00
13	S. L. Brooking et al .....	Salaries, May, 1894	1,040.38
13	W. D. Robbins .....	1 gallon varnish, May, 1894	2.00
13	John C. Jenkins .....	Salary and expenses, May, 1894	136.84
13	J. H. Linchan .....	Salary, May, 1894	102.20
13	R. P. Williams .....	Pasturage, May, 1894	19.50
13	E. A. Clapp .....	Office rent, May, 1894	10.00
14	A. O. Stoeltzing .....	Supplies, gasoline, etc., May, 1894	5.20
14	The Riverside Iron Works Co..	Iron brands, May, 1894	6.00

Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
June 14	Ira Lewis	Blue paint, May, 1894	\$10.00
14	G. W. Tourtellot	Rent rooms, Kansas City, Kans., May, 1894	45.00
14	Roland & O'Dwyer	Damas varnish, May, 1894	3.00
14	James & Furey	Washing towels, May, 1894	3.24
14	The Kotzenberg Co	Red paint, May, 1894	4.50
14	John Airth	Varnish, May, 1894	1.75
14	W. C. Rayen	Salary and expenses, May, 1894	161.24
14	Harvey L. Goodall	Advertising, May, 1894	3.60
14	E. E. Bruce & Co.	Varnish, May, 1894	21.28
14	G. A. Malcom	Office rent, etc., Hammond, Ind., May, 1894	26.00
14	J. F. Ryder	Salary and expenses, May, 1894	296.40
14	Chicago and Erie R. R. Co.	Freight charges, February, 1894	2.09
14	Adams Express Co.	Transportation, May, 1894	20.40
14	C. O. Brockway	Hog rings, etc., May, 1894	55.00
14	do	do	2.50
14	A. D. Melvin	Expressage, etc., May, 1894	2.85
14	Baltimore and Ohio R. R. Co.	Freight on paper tags, October, 1893, and January, 1894	29.50
14	do	Freight, December, 1893	15.90
16	B. Westermann & Co.	Foreign publications, June, 1894	13.51
16	Geo. W. Knox Express	Freight and drayage, May, 1894	2.23
19	A. Hoen & Co.	Meat-inspection tags, May 18, 1894	225.00
19	do	Meat-inspection tags, May 25, 1894	225.00
19	do	Meat-inspection tags, June, 1894	225.00
19	A. C. Fulkerson	Towel supply, May, 1894	3.77
19	Western Union Telegraph Co.	Telegrams, May, 1894	16.04
19	Charles Elmer	Services 1 day, May, 1894	2.00
19	Koutsky Bros.	Tacks, etc., May, 1894	17.60
19	Chicago, Burlington and Quincy R. R. Co.	Transportation, June, 1894	12.75
20	Dan McCuningham	Salary and expenses, May, 1894	180.62
20	Thomas Manufacturing Co	Meat-inspection tags, April, 1894	325.00
20	do	do	195.00
20	do	Meat-inspection tags, May, 1894	195.00
20	Standard Supply Co	Lead seals, May, 1894	420.00
21	Chesapeake and Potomac Telephone Co.	Rental, March, 1894	52.19
21	The Oxley & Wilson Manufacturing Co.	Willard's Label Compound, June, 1894	5.90
22	A. Hoen & Co.	Meat-inspection stamps, June, 1894	150.00
22	Theobald Smith	Expenses, June, 1894	30.58
23	John C. Parker	Index cards, April, 1894	15.05
25	Bausch & Lomb Optical Co.	Glass slips, etc., May, 1894	20.73
25	Thomas Manufacturing Co	Meat inspection tags, June, 1894	195.00
25	A. Hoen & Co.	Interstate meat-inspection stamps, June, 12, 1894	225.00
25	do	Interstate meat-inspection stamps, June 15, 1894	225.00
25	Standard Supply Co	Lead seals, June, 1894	700.00
25	Z. D. Gilman	Filters, etc., May, 1894	19.20
25	W. & A. K. Johnston	Journal of Pathology, May, 1894	1.93
28	Golden, Love & Co.	Chickens, May, 1894	4.20
30	D. E. Salmon et al	Salaries, June, 1894	3,978.75
	Totals salaries and expenses, fourth quarter.		126,336.23
	Total swine plague, fourth quarter.		1,330.42
	Total rent of laboratory, fourth quarter.		300.00
	Total fourth quarter		127,966.65
	Supplemental.		
1894.			
July 2	Chicago, Burlington and Quincy R. R. Co.	Transportation for Ed. Sheldon, June, 1894	13.00
2	Walbridge & Co.	Hog ringers, etc., May, 1894	10.47
2	Standard Supply Co	Lead seals, June, 1894	7.00
2	do	Lead seals, June, 1894	14.00
2	American Railway Supply Co.	Metal cattle tags, May, 1894	162.50
2	Thomas Manufacturing Co.	Meat-inspection tags, June, 1894	6.50
2	do	do	3.25
2	A. Hoen & Co.	Interstate meat-inspection stamps, June, 1894	75.00
2	W. H. Wray	Salary, May, 1894	387.50
2	H. J. Ruppert	Rent of land on Bennings road, June, 1894	50.00
3	L. D. Larkins	1 cow with tuberculosis, June, 1894	8.00
3	C. Becker	1 caulking boot, June, 1894	3.00
6	W. H. Rose et al	Salaries, June, 1894	997.34

Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## BUREAU OF ANIMAL INDUSTRY.—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1894.			
July 6	D. D. Lee et al.	Salaries, June, 1894.	\$748.10
6	R. W. Hickman et al.	do	725.20
6	H. A. Hedrick et al.	do	590.10
6	O. H. Hall et al.	do	395.60
6	Jos. Bruser et al.	do	313.20
6	John Doris, jr., et al.	do	261.60
6	Chas. A. Schaufler et al.	do	191.20
6	Edw. Story.	Salary, June, 1894.	98.90
6	Simon Kelly.	do	59.30
6	Jas. J. Brougham et al.	Salaries, June, 1894.	426.80
6	E. H. Flood et al.	do	484.40
6	Washington Gaslight Co.	Gas, June, 1894.	16.50
6	Z. D. Gilman.	Bottles, etc., May, 1894.	32.26
6	do	Alcohol, etc., May, 1894.	10.59
6	do	Vials, etc., June, 1894.	13.89
6	do	Welsback burners, etc., May, 1894.	5.90
7	J. Huelsen et al.	Salaries, June, 1894.	399.54
7	A. M. Casper et al.	do	382.38
7	Wm. C. Honan.	Salary and expenses, June, 1894.	121.87
7	Chas. A. Wilcox.	Salary.	98.90
7	Sol Miller.	Salary and expenses, June, 1894.	84.30
7	Chas. F. Dawson.	Traveling expenses, June, 1894.	9.70
9	F. J. Thornburg et al.	Salaries, June, 1894.	1,168.80
9	N. P. Hinkley et al.	do	725.04
9	S. Stewart et al.	do	718.64
9	G. Branchle et al.	do	627.50
9	S. L. Brooking et al.	do	992.06
9	J. H. Honan et al.	do	855.20
11	H. D. Mayne.	Service 1 day, June, 1894.	5.00
11	J. H. Linehan.	Salary, June, 1894.	98.90
11	W. M. Balmer et al.	Salaries, June, 1894.	1,589.90
11	Chesapeake and Potomac Telephone Co.	Rent of telephone, Baltimore, Apr. 1 to June 30, 1894.	25.00
11	H. A. Hedrick.	Office expenses, June, 1894.	3.25
11	Alex. Yearley & Son.	Office rent, June, 1894.	10.00
11	A. D. Melvin.	Salary and expenses, June, 1894.	254.80
11	L. R. Baker et al.	Salaries, June, 1894.	3,645.25
11	N. R. Adams et al.	do	1,982.30
11	E. Balzer et al.	do	2,561.38
11	Wm. F. Thurber.	Repairing and sharpening scissors, June, 1894.	4.25
11	The Kotzenberg Co.	Green paint, turpentine, etc., June, 1894.	6.30
11	Rand, McNally & Co.	Stationery, June, 1894.	8.65
11	Chicago Telephone Co.	Telephone service, June, 1894.	10.42
11	The Office Toilet Supply Co.	Use of toilet supplies, June, 1894.	10.36
11	Theobald Smith.	Potatoes, eggs, etc., Michigan, April, May, and June, 1894.	1.78
12	St. Louis National Stock Yards.	Office rent, National Stock Yards, Illinois, June, 1894.	29.25
12	Drake Bros.	Damar varnish, etc., June, 1894.	6.75
12	John Q. Adams.	1 stamp, June, 1894.	1.75
12	James & Furey.	Washing towels, June, 1894.	2.16
12	E. H. Flood.	Towel supply and ice, June, 1894.	2.82
12	D. D. Lee.	Express charges, etc., June, 1894.	2.70
12	Wm. Bond & Son.	Office rent, Boston, Mass., June, 1894.	20.00
12	New England Telephone and Telegraph Co.	Office telephone, etc., Boston, Mass., June, 1894.	10.00
12	G. A. Malcom.	Office rent, including light, heat, and water, June, 1894.	26.00
12	Union Stock Yard and Transit Co.	Office rent, Chicago, Ill., June, 1894.	15.00
12	E. A. Clapp.	Office rent, East St. Louis, Mo., June, 1894.	10.00
12	G. W. Ward.	Salary and expenses, June, 1894.	11.50
12	Bay State Clean Towel Furnishing Co.	Towel supply, June, 1894.	7.68
12	John Bingham.	Stationery, June, 1894.	4.80
12	R. W. Hickman.	Express charges and gas, June, 1894.	1.25
12	John Broderick.	Office rent, New York City, June, 1894.	16.00
12	The Metropolitan Telephone and Telegraph Co.	Telephone rent, New York City, May, 1894.	20.00
12	Fowler Manufacturing Co., Limited.	Towel service, New York City, June, 1894.	5.50
12	W. H. Keeler.	1 canceling wheel, June, 1894.	8.50
12	N. P. Hinkley.	Office rent, etc., Buffalo, N. Y., June, 1894.	25.00
12	Jas. T. Stuart et al.	Salaries, June, 1894.	792.58
12	W. S. White et al.	do	267.04
12	W. D. Robbins et al.	do	269.96
12	W. D. Robbins.	Varnish, etc., June, 1894.	4.10
12	John Arith et al.	Salaries, June, 1894.	367.50
12	S. E. O'Neill et al.	do	351.27



Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## BUREAU OF ANIMAL INDUSTRY.—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1894.			
July 12	James Stikeman	Office rent, New York City, June, 1894.	\$45.83
12	The Metropolitan Telephone and Telegraph Co.	Telephone rent, New York City, May, 1894.	21.70
12	Edw. Shelden	Salary and expenses, June, 1894	303.55
12	E. H. Pritchard et al.	Salaries, June, 1894.	1,013.89
12	C. J. Sihler et al.	Salaries, June, 1894	2,187.69
12	D. Cumming	Services, 3 days, June, 1894	15.00
12	Chas. E. Parker	Services, 2 days, June, 1894	10.00
12	Albert Dean	Salary and expenses, June, 1894	155.97
12	Philip H. Moore	do	117.30
12	Wm. D. Jordan	do	156.15
12	W. E. Hill	do	128.68
12	J. O. McKee	do	104.35
12	George C. Moser	do	128.30
12	James Wilson	Services, June, 1894	98.90
12	T. L. J. Shields	do	98.90
12	J. F. Ryder	Salary and expenses, June, 1894	287.80
12	W. H. Wray	do	375.00
12	Wilmarth & Edmonston	1 dozen filter tubes, May, 1894	12.00
12	L. H. Hopkins	Wire, tin, etc., April and May, 1894	2.15
13	B. Westermann & Co.	Foreign publications, June, 1894	14.55
13	Chicago, Burlington and Quincy R. R. Co.	Freight charges, February, 1894	3.36
13	Atlantic and North Carolina R. R. Co.	Transportation, C. F. Dawson, requisition No. 4040, June, 1894	11.20
13	Chicago and Erie R. R. Co.	Transportation lead seals, May, 1894	9.55
13	The Bell Telephone Co. of Philadelphia.	Use of telephone, April, May, and June, 1894.	3.00
13	A. Hoen & Co.	Meat-inspection stamps, June 21, 1894	150.00
13	do	Meat-inspection stamps, June 19, 1894	150.00
13	Wm. M. Bahmer	Office and miscellaneous expenses June, 1894.	5.40
13	Jas. T. Stuart	4 towels, June, 1894	.50
13	Evans Gallagher Drug Co.	Damar varnish, etc., June, 1894	45.40
13	G. W. Tourtellot	Rent of rooms, Kansas City, Kans., June, 1894.	45.00
13	A. C. Fulkerson	Towel supply, Kansas City, Kans., June, 1894.	4.56
13	C. J. Sihler	Express charges, June, 1894	.60
13	Packers' National Bank, South Omaha, Nebr.	Rent of rooms, June, 1894	45.00
13	E. E. Bruce & Co.	Varnish, etc., June, 1894	6.50
13	C. A. Melcher	do	3.80
13	Gahan & Byrne	Office rent, etc., June, 1894	200.00
13	W. H. Rose	Office and miscellaneous expenses, June, 1894.	16.85
13	Annie Burnett	Washing towels, January 1 to June 30, 1894.	3.60
13	R. P. Williams	Pasturage for cattle, June, 1894	19.50
14	W. S. Devoe	Salary and expenses, June, 1894	333.50
14	H. C. Keeling	do	102.20
14	John C. Jenkins	do	112.70
14	Julius Huelssen	Cleaning office, etc., June, 1894	3.85
14	Geo. C. Faville	Salary and traveling expenses, May and June, 1894.	126.15
14	W. C. Rayen	Salary and traveling expenses, June, 1894	139.69
14	J. E. Blackwell et al.	Salaries, June, 1894	2,842.65
14	Richmond and Danville R. R. Co.	Transportation of C. F. Dawson, Order No. 4039, June, 1894.	11.20
14	Vandalia Line	Freight charges, March, 1894	3.97
16	Chas. W. Stiles	Traveling expenses, June, 1894	10.00
16	F. S. McMahon et al.	Salaries, June, 1894	993.31
19	Hannibal and St. Joseph R. R. Co.	Freight charges, November, 1893.	11.87
19	A. S. Gregg	Salary and expenses, June, 1894	135.90
19	J. E. Blackwell	Office expenses, June, 1894	8.55
19	Peter W. Sherlock	Salary, June 1-19, 1894	37.58
19	C. O. Brockway	Hog rings, June, 1894	10.00
19	Metropolitan Ice Co.	Ice, June, 1894	14.10
19	The Chesapeake and Potomac Telephone Co.	Rent of telephone, etc., Apr. 1 to June 30, 1894.	37.19
19	Adams Express Co.	Transportation, June, 1894	13.35
19	D. E. Salmon	Traveling expenses, June, 1894	34.20
23	Baltimore and Ohio Southwestern Rwy. Co.	Freight charges, April, 1894	19.50
23	Western Union Telegraph Co.	Telegrams, May, 1894	12.79
25	Geo. C. Faville	Express charges and postage stamps, June, 1894.	3.40
25	Standard Supply Co.	Lead seals, June, 1894	140.00
25	Thomas Manufacturing Co.	Meat inspection tags, June, 1894	65.00

Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1894.			
July 25	Fannie Fay Mills	Services, 4 days, June, 1894	\$6.59
25	Annie Nicolai	do	6.59
25	A. D. Melvin	Gasoline, etc., June, 1894	1.75
25	F. L. Kilborne	Cabbage, June, 1894	3.00
25	Chas. R. Talbert	Oats and bran, June, 1894	17.80
27	Dan. McCuningham	Traveling expenses, June, 1894	179.55
31	Star Union Line	Freight charges, April, 1894	16.78
Aug. 1	Hannibal and St. Joseph R. R. Co.	Freight charges, December and January	18.30
1	Baltimore and Ohio R. R. Co.	Freight charges, February and March	21.61
3	The Missouri Pacific Rwy. Co.	Transportation furnished W. E. Hill et al., June, 1894	25.50
9	do	Transportation furnished Edw. Sheldon, requisition No. 4002, June, 1894	13.25
16	Chicago, Burlington and Quincy Rwy. Co.	Transportation furnished D. E. Salmon et al., June, 1894	25.50
16	St. Louis and San Francisco Rwy. Co.	Transportation, requisitions Nos. 3901, 3902, and 4015, June, 1894	6.70
16	Missouri Pacific Rwy. Co.	Freight charges, March and April, 1894	17.38
16	Baltimore and Ohio R. R. Co.	Freight charges, November, 1893, and April and May, 1894	27.04
16	do	Freight charges, March and April, 1894	31.09
16	Kansas City, Fort Scott and Memphis R. R. Co.	Transportation of A. S. Gregg, No. 4016, June, 1894	6.35
18	The Metropolitan Telephone and Telegraph Co.	Telephone service, June, 1894	22.55
18	do	Rent of telephone, June, 1894	20.00
23	E. M. Willis	Ice, June, 1894	13.09
23	American Ice Co.	Ice, November, 1893	2.63
24	Baltimore and Ohio R. R. Co.	Freightage, May and June, 1894	29.65
24	Pennsylvania R. R. Co.	Transportation, requisitions Nos. 4042 and 4071, June, 1894	34.00
24	A. Hoen & Co.	Interstate inspection stamps, June, 1894	75.00
27	United States Express Co.	Transportation, June, 1894	4.20
Sept. 1	Burlington and Missouri Valley R. R., in Nebraska.	Freight on lead scales, etc., Mar. 21, 1894	1.88
4	The Baltimore and Ohio Southwestern Rwy. Co.	Freight on paper tags, June 18, 1894	5.59
15	Wm. D. Jordan	Hire of team, June 4, 1894	4.00
21	Vandalia Line	Freight charges, June 18, 1894	4.04
	Total salaries and expenses		36,684.27
	Total rent of laboratory		100.00
	Total swine plague		148.30
	Total additional temporary compensation.		250.00
	Transportation orders		14.31
	Public Printer		2,233.10
	Total supplemental		39,429.98

## RECAPITULATION.

Total first quarter	\$85,607.37
Total second quarter	125,235.73
Total third quarter	117,189.51
Total fourth quarter	127,966.65
Total supplemental	39,429.98
Total	495,429.24

## HOG CHOLERA AND SWINE PLAGUE.

Date.	Name.	Nature of payment.	Total.
1893.			
July 31	Theobald Smith et al.	Salaries for July	\$477.50
Aug. 31	F. L. Kilborne et al.	Salaries for August	288.00
Sept. 30	do	Salaries for September	301.01
	Total first quarter		1,066.51
Oct. 31	F. L. Kilborne et al.	Salaries for October	288.00
Nov. 4	V. A. Norgaard	Salary for October	151.60
30	F. L. Kilborne et al.	Salaries for November	279.00
Dec. 9	V. A. Norgaard	Salary for November	146.80
30	F. L. Kilborne et al.	Salaries for December	288.00
	Total second quarter		1,153.40

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## HOG CHOLERA AND SWINE PLAGUE—Continued.

Date.	Name.	Nature of payment.	Total
1894.			
Jan. 16	V. A. Norgaard.....	Salary and expenses, December, 1893.....	\$172.55
31	F. L. Kilborne et al.....	Salaries, January, 1894.....	294.50
Feb. 9	V. A. Norgaard.....	Salary and expenses, January, 1894.....	156.87
28	F. L. Kilborne et al.....	Salaries, February, 1894.....	266.00
Mar. 7	V. A. Norgaard.....	Salary, February, 1894.....	140.00
31	F. L. Kilborne et al.....	Salaries, March, 1894.....	294.50
	Total third quarter.....		1,324.42
Apr. 11	V. A. Norgaard.....	Salary and expenses, March, 1894.....	168.51
30	F. L. Kilborne et al.....	Salaries, April, 1894.....	281.80
May 10	V. A. Norgaard.....	Salaries and expenses, April, 1894.....	153.51
31	F. L. Kilborne et al.....	Salaries, May, 1894.....	291.40
June 9	V. A. Norgaard.....	Salary and expenses, May, 1894.....	153.40
30	F. L. Kilborne et al.....	Salaries, June, 1894.....	281.80
	Total fourth quarter.....		1,330.42
	Supplemental.		
July 6	V. A. Norgaard.....	Salary and expenses, June, 1894.....	148.30

## RECAPITULATION.

Total first quarter.....	\$1,066.51
Total second quarter.....	1,153.40
Total third quarter.....	1,324.42
Total fourth quarter.....	1,330.42
Total supplemental.....	148.30
Total.....	5,023.05

## WEATHER BUREAU—SALARIES.

Date.	Name.	Nature of payment.	Total.
1893.			
July 31	Mark W. Harrington et al.....	Salaries for July.....	\$13,043.41
31	C. F. Marvin.....	Salary for July.....	210.60
31	F. J. Randolph.....	do.....	117.90
Aug. 1	H. C. Bate.....	do.....	151.60
1	Norman B. Conger.....	do.....	151.60
1	J. W. Smith.....	do.....	151.60
31	Mark W. Harrington et al.....	Salary for August.....	11,990.99
31	H. H. Kimball.....	do.....	101.10
31	C. F. Marvin.....	do.....	210.60
Sept. 1	H. C. Bate.....	do.....	151.60
1	J. W. Smith.....	do.....	151.60
1	Norman B. Conger.....	do.....	151.60
30	Mark W. Harrington et al.....	Salaries for September.....	11,731.45
30	H. H. Kimball.....	Salary for September.....	97.80
30	C. F. Marvin.....	do.....	203.80
	Total first quarter.....		38,617.25
Oct. 1	H. C. Bate.....	Salary for September.....	146.80
1	Norman B. Conger.....	do.....	146.80
1	J. W. Smith.....	do.....	146.80
31	Mark W. Harrington et al.....	Salaries for October.....	12,105.45
31	C. F. Marvin.....	Salary for October.....	210.60
31	H. H. Kimball.....	do.....	101.10
Nov. 1	H. C. Bate.....	do.....	151.60
1	J. W. Smith.....	do.....	151.60
1	Norman B. Conger.....	do.....	151.60
30	Mark W. Harrington et al.....	Salaries for November.....	11,857.14
30	Isaac W. Brewer.....	Salary for November.....	8.15
Dec. 1	J. W. Smith.....	do.....	146.80
1	H. C. Bate.....	do.....	146.80
1	Norman B. Conger.....	do.....	146.80
31	Mark W. Harrington et al.....	Salaries for December.....	12,348.76
	Total second quarter.....		37,966.80
1894.			
Jan. 2	J. W. Smith.....	Salary for December.....	151.60
2	Norman B. Conger.....	do.....	151.60
2	H. C. Bate.....	do.....	151.60
31	Mark W. Harrington et al.....	Salaries for January.....	12,476.03



Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## WEATHER BUREAU—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Feb. 1	H. C. Bate	Salary for January	\$155.00
1	Norman B. Conger	do	155.00
5	H. E. Smith	Salary for January	155.00
28	M. W. Harrington et al.	Salaries for February	11,130.35
Mar. 1	Norman B. Conger	Salary for February	140.00
1	H. C. Bate	do	140.00
1	H. E. Smith	do	140.00
31	M. W. Harrington et al.	Salaries for March	12,514.23
	Total third quarter		37,460.41
Apr. 1	H. E. Smith	Salary for March	155.00
1	H. C. Bate	do	155.00
1	Norman B. Conger	do	155.00
30	M. W. Harrington et al.	Salaries for April	12,195.00
May 1	H. E. Smith	Salary for April	148.30
1	Norman B. Conger	do	148.30
1	H. C. Bate	do	148.30
31	M. W. Harrington et al.	Salaries for May	12,315.17
June 1	W. L. Moore	Salary for May 9-31	157.97
1	Norman B. Conger	Salary for May	153.40
1	H. C. Bate	do	153.40
1	H. E. Smith	do	153.40
30	M. W. Harrington et al.	Salaries for June	11,896.30
	Total fourth quarter		37,934.54
	Supplemental.		
July 1	W. L. Moore	Salary for June	206.00
1	Norman B. Conger	do	148.30
1	H. C. Bate	do	148.30
1	H. E. Smith	do	148.30
	Total supplemental		650.90

## RECAPITULATION.

Total first quarter	\$38,617.25
Total second quarter	37,966.80
Total third quarter	37,460.41
Total fourth quarter	37,934.54
Total supplemental	650.90
Total	152,629.90

## WEATHER BUREAU—TEMPORARY EMPLOYMENT FOR MESSENGERS AND LABORERS.

Date.	Name.	Nature of Payment.	Total.
1893.			
July 31	Lucy Payne et al.	Salaries for July	\$47.73
Aug. 31	do	Salaries for August	106.10
Sept. 30	do	Salaries for September	102.80
	Total first quarter		256.63
Oct. 31	Lucy Payne et al.	Salaries for October	106.10
Nov. 30	do	Salaries for November	44.00
Dec. 31	do	Salaries for December	45.50
	Total second quarter		195.60
1894.			
Jan. 31	Lucy Payne et al.	Salaries for January	46.50
Feb. 28	do	Salaries for February	38.60
Mar. 31	do	Salaries for March	46.50
	Total third quarter		131.60
Apr. 30	Lucy Payne et al.	Salaries for April	44.50
May 31	do	Salaries for May	46.00
June 30	do	Salaries for June	44.50
	Total fourth quarter		135.00

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—TEMPORARY EMPLOYMENT FOR MESSENGERS AND LABORERS—Continued.

## RECAPITULATION.

Total first quarter.....	\$256.68
Total second quarter.....	195.60
Total third quarter.....	131.60
Total fourth quarter.....	135.00
Total.....	718.88

## WEATHER BUREAU—FUEL, LIGHTS, AND REPAIRS.

Date.	Name.	Nature of payment.	Total.
1893.			
July 31	Henry Braun et al.....	Salaries for July.....	\$289.90
Aug. 10	James B. Lambie.....	Speed indicator.....	1.50
10	Robert Leitch & Sons.....	Pipe, etc.....	4.09
11	Joseph F. Collins.....	Repainting brickwork.....	5.00
17	United States Electric Light- ing Co.....	Electric current for July.....	35.41
17	Washington Gaslight Co.....	Gas consumed, July.....	28.00
18	Church & Stephenson.....	Lumber.....	19.81
22	James B. Lambie.....	Hardware.....	12.04
31	Henry Braun et al.....	Salaries for August.....	331.90
31	F. A. Schneider.....	Hardware.....	5.40
31	George Bowman.....	Cleaning boilers, etc.....	7.00
31	do.....	Removing ashes.....	5.35
Sept. 2	do.....	Removing rubbish.....	.75
2	Alexander Mason.....	Removing ashes.....	.63
12	Charles Werner.....	Wood.....	4.74
12	H. Boesch, C. E.....	Testing engine.....	25.00
12	The United States Electric Lighting Co.....	Electric current, August.....	36.62
12	Washington Gaslight Co.....	Gas for August.....	31.00
13	F. A. Schneider.....	Putz pomade.....	1.50
19	Manogue & Jones.....	Brush.....	1.50
20	Geo. M. D. Jory.....	Painting.....	30.00
27	Lewis Hopfenmaier.....	Tallow.....	3.00
27	James H. McGill.....	Cement.....	3.00
28	John E. Martin.....	Repairing stable.....	6.00
30	Henry Braun et al.....	Labor for September.....	229.87
	Total first quarter.....		1,119.01
Oct. 3	Chas. Becker.....	Plaster of Paris, etc.....	3.55
3	W. T. & F. B. Weaver.....	Belt lacings.....	3.25
4	F. W. Sickenberger.....	Repairing instrument.....	2.00
5	Royce & Marean.....	Electrical supplies.....	50.45
7	Joseph F. Collins.....	Labor and material.....	73.50
12	The United States Electric Lighting Co.....	Electric current, September.....	35.07
18	Washington Gaslight Co.....	Gas, September.....	32.75
19	James B. Lambie.....	Tin.....	44.00
19	Chas. Becker.....	Bronze powder.....	.70
19	W. T. Galliher & Bro.....	Lumber.....	87.35
19	A. G. Brust.....	Services, Oct. 9 to 14.....	15.00
21	W. D. Dabner.....	Removing ashes.....	2.00
25	F. A. Schneider.....	Hardware.....	13.47
28	Wm. H. Butler.....	Varnish.....	1.80
28	Chas. Becker.....	Brushes.....	1.70
28	Forsberg & Murray.....	Labor and material.....	199.00
31	Henry Braun et al.....	Labor for July.....	200.90
Nov. 3	Chas. Becker.....	Brushes, etc.....	27.39
11	Pettit & Dripps.....	Repairing engine.....	174.00
11	James Nolan.....	Repairing gas fixtures.....	5.00
17	Chas. Becker.....	Repairing windows.....	2.75
18	Washington Gaslight Co.....	Gas for October.....	38.75
18	The United States Electric Lighting Co.....	Electric current, October.....	38.07
18	W. S. Moore.....	Repairing boiler.....	51.59
18	The E. F. Brooks Co.....	Gas burners.....	1.00
22	C. Norman Beaton.....	Hose, etc.....	69.50
22	Royce & Marean.....	Electric bell, etc.....	2.50
23	Hendley & Biggs.....	Repairing steam boiler.....	192.20
23	do.....	Repairing radiator.....	2.65
23	Johnson Bros.....	Coal.....	209.33
24	Chas. Werner.....	Wood and coal.....	17.23
30	Henry Braun et al.....	Labor for November.....	257.00
30	Jerry Nevitt.....	Cleaning ashpit.....	1.50
30	Wm. Forbes.....	do.....	1.50
30	Frederick Miner.....	do.....	1.50
Dec. 13	Hugh Reilly.....	Paint, etc.....	14.82

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—FUEL, LIGHTS, AND REPAIRS—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Dec. 13	Hugh Reilly.....	Panes of glass, etc.....	\$2.60
14	Pettit & Dripps.....	Repairing engine.....	3.50
14	Geo. Ryneal, jr.....	Paints.....	3.63
18	The United States Electric Lighting Co.....	Electric current Nov. 1 to 29.....	37.28
19	D. H. Washburn.....	Labor and material.....	565.00
19	Washington Gaslight Co.....	Gas for November.....	41.00
19	Williams & Hanks.....	Leather belting.....	1.36
19	Johnson Bros.....	Coal.....	114.98
19	Chas. Werner.....	do.....	6.00
21	Hugh Reilly.....	White lead, etc.....	28.28
22	Church & Stephenson.....	Lumber.....	7.33
22	James Nolan.....	Repairing water pipe.....	28.60
30	Wm. H. Lacy.....	Labor and material.....	7.00
31	Henry Braun et al.....	Labor for December.....	261.50
31	Samuel Dixon.....	Removing ashes.....	1.50
31	Frederick Miner.....	do.....	1.50
31	William Douglass.....	do.....	1.50
Total second quarter.....			2,987.33
1894.			
Jan. 11	James B. Lambie.....	Repairing windows, etc.....	7.50
11	Warren W. Biggs.....	Repairing heating apparatus.....	5.45
17	Washington Gaslight Co.....	Gas for December.....	65.50
17	Johnson Bros.....	Coal.....	118.68
18	Royce and Marean.....	Repairing electric light.....	1.50
20	Forsberg & Murray.....	Labor and material.....	38.00
20	Hugh Reilly.....	Brushes, etc.....	9.75
20	Chas. Werner.....	Coal and wood.....	11.74
20	D. H. Washburn.....	Repairing electric light.....	24.00
27	Johnson Bros.....	Coal.....	109.52
31	Henry Braun et al.....	Labor for January.....	239.19
31	Jerry Nebbit.....	Removing ashes, etc.....	1.50
31	N. Saxon.....	do.....	1.50
31	S. Dixon.....	do.....	1.50
31	T. Fred Jones.....	Services, Jan. 8 to 22.....	39.00
Feb. 2	Warren W. Biggs.....	Fusible plugs.....	2.20
2	Chas. Becker.....	Turpentine.....	2.10
2	Williams & Hanks.....	Repairing engine.....	3.30
3	James Nolan.....	Labor and material.....	18.00
3	Hugh Reilly.....	Painting materials.....	1.90
7	John Moran.....	Lava tips.....	.50
7	Washington Gaslight Co.....	Gas for January.....	73.00
7	D. H. Washburn.....	Extending electric light plant.....	94.00
7	Thos. Somerville & Sons.....	Repairing gas fixtures.....	1.52
12	Rob't Leitch & Sons.....	Repairing engine.....	.50
14	Johnson Bros.....	Coal.....	153.17
19	Chas. Werner.....	do.....	6.00
21	F. A. Schneider.....	Putz pomade.....	1.50
28	Royce & Marean.....	Repairing electric light plant.....	7.20
28	The E. F. Brooks Co.....	do.....	3.75
28	Wm. A. Cassell.....	Painting woodwork, etc.....	6.00
28	Henry Braun et al.....	Labor for February.....	162.60
Mar. 6	Chas. Becker.....	Glass.....	1.00
7	Washington Gaslight Co.....	Gas for February.....	38.00
10	Lubroleine Oil Co.....	Oil.....	17.22
10	Johnson Bros.....	Coal.....	136.86
15	James Nolan.....	Labor and material.....	45.10
15	John K. Ward.....	do.....	13.00
24	Forsberg & Murray.....	Repairing engine.....	39.60
24	B. F. Whiteside.....	Gasoline.....	.35
24	Johnson Bros.....	Coal.....	59.28
31	George Bowman.....	Services, removing ashes.....	8.10
31	John Sullivan et al.....	Labor in March.....	175.70
Total third quarter.....			1,745.78
Apr. 10			
10	D. H. Washburn.....	Incandescent lamps, March, 1894.....	8.40
10	James H. McGill.....	1 barrel cement, March, 1894.....	3.00
11	Washington Gaslight Co.....	Gas, March, 1894.....	29.25
11	Royce & Marean.....	Carbon brushes, shades, and holders, March, 1894.....	4.85
12	Williams & Hanks.....	Services and material, March, 1894.....	54.00
12	Johnson Bros.....	Coal, March, 1894.....	143.34
12	W. T. Galliher & Bro.....	Lumber, March, 1894.....	13.32
30	Notley Anderson.....	Laying asphalt floor, etc., March, 1894.....	23.50
30	Philp H. Ward.....	Potatoes for cleaning tubes, March, 1894.....	1.00
30	J. R. Dove.....	Services, March, 1894.....	1.50



*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—FUEL, LIGHTS, AND REPAIRS—Continued.

Date.	Name	Nature of payment.	Total.
1894.			
Apr. 30	E. H. Saunders	Service, March, 1894	\$1.50
30	Benj. Pursell	do	1.50
30	George Bowman	Services, April, 1894	5.50
30	John Sullivan et al	Labor in April, 1894	168.10
May 7	Johnson Bros	Coal, April, 1894	139.58
7	Forsberg & Murray	Repairing heating apparatus, April, 1894	4.00
10	James Lockhead	Washbowl, etc., February, 1894	3.25
10	Ernest Betz	Repairing tin roof, April, 1894	2.65
10	Williams & Hanks	Materials for repairing engine, April, 1894	6.80
10	Washington Gaslight Co	Gas, April, 1894	31.75
10	J. H. Wilkerson	Inspecting steam boiler, April, 1895	5.00
18	W. T. & F. B. Weaver	Iron, in repairing Weather Bureau build- ings, May, 1894.	.75
26	James Nolan	Repairs in Weather Bureau building, April, 1894.	4.50
31	John Sullivan et al	Labor, May, 1894	235.20
31	George Bowman	Removing ashes, etc, May, 1894	4.40
June 1	Goodyear Rubber Co	Sheet rubber, May, 1894	1.00
4	G. L. Fogler	Repairing main building, Weather Bureau, May, 1894.	40.00
9	Washington Gaslight Co	Gas, May, 1894	25.50
18	Fisher & Johnson	Repairs to Weather Bureau building, May, 1894.	8.00
19	Thos. Somerville & Sons	Steam-fitting supplies, etc., March and April, 1894.	5.67
21	Chas. Werner	Two cords pine wood, June, 1894	9.48
25	Joseph F. Collins	Repairs in Weather Bureau building, June, 1894.	47.00
30	John Sullivan et al	Labor, June, 1894	257.07
30	Geo. M. D. Jory	Painting Weather Bureau building, Wash- ington, D. C., June, 1894.	10.00
Total fourth quarter			1,300.36
<i>Supplemental.</i>			
July 2	The E. S. Greeley Co	Dynamo brushes, June, 1894	7.20
2	F. A. Schneider	Files, June, 1894	.85
2	Forsberg & Murray	10 pounds of Albany grease, etc., May, 1894	4.25
14	D. H. Washburn	Incandescent lamps, June, 1894	12.60
14	Washington Gaslight Co	Gas, June, 1894	17.00
16	J. H. Chesley & Co	Sheet copper	1.00
31	Geo. F. Bowman	Cleaning boilers, etc	12.50
Aug. 7	W. D. Brace	5 pounds vaseline	1.25
11	Robt. Leitch & Sons	Nipples, caps, etc	1.02
Sept. 7	Thos. Somerville & Sons	Repairing engine	9.94
19	John B. Lord	Sand	.75
19	Royce & Marean	Lamps, etc	3.30
Total supplemental			71.66

## RECAPITULATION.

Total first quarter	\$1,119.01
Total second quarter	2,987.33
Total third quarter	1,745.78
Total fourth quarter	1,300.36
Total supplemental	71.66
Total	7,224.14

## WEATHER BUREAU—CONTINGENT EXPENSES.

Date.	Name.	Nature of payment.	Total.
1894.			
Aug. 3	Herdie Phaeton Co	Street car tickets	\$39.00
10	Lucy Payne	Washing towels in July	3.43
10	Holmes & Co	Rubber matting	2.13
10	John C. Parker	Paper	7.45
10	National Railway Publishing Co	Subscription to Railway Guide, July 1, 1893, to July 1, 1894.	5.00
11	Thos. J. Luttrell	Towels	4.11
11	F. S. Cahill & Co	Bicycle, etc	250.00
11	Manogue & Jones	Sapolio	1.00
11	Wm. H. Barton	Book	3.50

Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## WEATHER BUREAU—CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Aug. 11	American Ice Co .....	Ice for July .....	\$19.39
17	Robt. Mayer & Co. ....	Tracing paper .....	6.00
17	W. D. Brace .....	Roach paste .....	1.00
17	Charles Becker .....	Artists' brushes, etc .....	4.83
17	Melville Lindsay .....	Lineman's gloves .....	2.25
17	Bowers & Daly .....	Horseshoeing .....	4.50
17	Woodward & Lothrop .....	Call bells .....	2.01
17	M. W. Beveridge .....	Tumblers .....	3.60
17	James B. Lambie .....	Blank keys .....	5.00
17	Thos. J. Luttrell .....	Roller, towels, etc .....	12.60
18	Wm. Ballantyne & Sons .....	Stationery .....	5.19
18	John C. Parker .....	Twine .....	1.20
18	Wyckoff, Seamans & Benedict .....	Adjusting typewriter .....	1.50
18	Easton & Rupp .....	Stationery .....	11.02
18	D. Johnson .....	Feed .....	22.51
18	Wm. A. Wheeler, jr. ....	Stationery .....	2.43
21	Manhattan Supply Co .....	do .....	.33
22	Herman Baumgarten .....	Metal pipe, etc .....	136.50
22	M. E. Mann .....	Book .....	6.00
22	James B. Lambie .....	Drill .....	2.60
22	Charles Becker .....	Alcohol, etc. ....	6.55
22	Wm. Ballantyne & Sons .....	Shears, etc .....	29.23
22	Charles T. Carter & Co .....	Brushes, etc .....	1.83
22	J. Baumgarten & Son .....	Rubber stamps .....	1.05
24	M. J. Adler .....	Whip .....	.75
31	F. A. Schneider .....	Hardware .....	16.90
31	do .....	Mouse traps .....	1.00
31	J. Baumgarten & Sons .....	Rubber stamps, etc .....	21.40
Sept. 2	Ratcliff, Darr & Co. ....	Auctioneer's services .....	8.39
2	W. B. Moses & Son .....	Cleaning carpet .....	4.88
12	C. Becker .....	Harness dressing .....	.50
12	John C. Parker .....	Paper .....	17.50
12	Lucy Payne .....	Washing towels, August .....	3.06
12	American Ice Co .....	Ice for August .....	29.16
13	Samuel Springmann .....	Hauling .....	4.07
13	Wm. A. Wheeler, jr. ....	Stationery .....	62.00
13	J. Baumgarten & Son .....	Stamps .....	3.90
13	Wm. Ballantyne & Son .....	Stationery .....	50.75
13	Bowers & Daly .....	Shoeing horses .....	4.50
13	Newman & Son .....	Typewriter stands .....	7.00
16	John C. Parker .....	Stationery .....	63.24
19	A. G. Elliott & Co. ....	Wrapping paper .....	60.00
20	C. Becker .....	Repairing harness, etc .....	.60
20	W. H. Butler .....	Varnish .....	1.00
22	D. A. Tower .....	Stationery .....	8.66
22	Gottlieb Spitzer .....	Rubber stamps, etc .....	8.82
22	Church & Stephenson .....	Lumber .....	1.18
27	Wyckoff, Seamans & Benedict .....	Adjusting typewriter .....	.50
28	W. D. Brace .....	Alcohol .....	12.35
	Total first quarter .....		1,000.85
Oct. 2	Smith Premier Typewriter Co. ....	Repairing typewriter .....	9.00
2	Herdie Phaeton Co. ....	Street car tickets .....	39.00
3	Thomas J. Luttrell .....	Millinette .....	1.45
4	John C. Parker .....	Copying machine, etc .....	48.05
4	A. M. Hewes .....	Envelope moisteners, etc .....	3.00
5	Henry A. Clark & Son .....	Spring for typewriter .....	.25
5	Easton & Rupp .....	Ribbons for typewriter .....	82.71
5	Thos. J. Luttrell .....	Cotton cloth .....	.20
5	W. H. Houghton Manufacturing Co. ....	Cleaning carpet, etc .....	5.35
5	H. W. Hinkle .....	Packing boxes .....	18.00
5	Gottlieb Spitzer .....	Rubber stamps .....	.77
5	F. A. Schneider .....	Emery, etc .....	1.40
7	F. P. Hackney .....	Boarding horses, Aug. 10 to Sept. 30 .....	59.84
7	Lucy Payne .....	Washing towels for September .....	3.06
11	American Ice Co .....	Ice for September .....	25.63
11	White & Dodson .....	Brushes, etc .....	6.03
11	Manogue & Jones .....	Flour .....	1.40
19	C. Schneider .....	Repairing office safe .....	1.50
19	Herman Baumgarten .....	Rubber stamps .....	3.00
19	Church & Stephenson .....	Lumber .....	32.22
19	Chas. Becker .....	Glass .....	.50
21	John C. Parker .....	Baskets, etc. ....	12.82
Nov. 3	Bowers & Daly .....	Shoeing horses .....	4.50
8	R. P. Hackney .....	Boarding horses, October .....	35.00
8	W. D. Brace .....	Sassafras .....	.60
8	W. B. Moses & Sons .....	Material for screen .....	7.02

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Nov. 8	The Chesapeake and Potomac Telephone Co.	Telephone-exchange service, July 1 to September 30.	\$28.00
8	Royce & Marean	Sulphuric acid.	.80
11	Fred A. Schmidt	Celluloid	1.00
11	The W. H. Houghton Manufacturing Co.	Window shades	4.75
11	Gottlieb Spitzer	Rubber stamps	2.04
11	Pearce, Lawton & McReynolds.	Repairing wagon, etc.	42.75
11	Wm. Ballantyne & Sons	Book	.80
11	W. H. Veerhoff	Frame	3.75
11	John C. Parker	Pencil protectors	.50
17	Conrad Becker	Repairing harness	2.95
17	Gottlieb Spitzer	Rubber stamps	.60
18	A. G. Lutz	do	.20
18	M. J. Adler	Hardware	5.10
20	M. N. Forney	Subscription to vol. 1. Hermantics	1.00
21	Lucy Payne	Washing towels, October	3.00
21	Wm. E. Dyre	Binders	34.94
21	Smith Premier Typewriter Co.	Typewriter	85.50
21	Royce & Marean	Electric buttons	1.00
23	Gottlieb Spitzer	Rubber stamps	1.77
23	John McDermott & Bro	Repairing office carriage	7.75
24	Bowers & Daly	Shoeing horses	4.50
24	J. H. Chesley & Co.	Glue	5.76
Dec. 1	Chas. Becker	Oil paints	7.20
4	F. S. Cahill & Co.	Repairing bicycle	2.50
4	F. P. May & Co.	Hardware	12.66
6	M. J. Adler	do	1.20
6	Kohler Manufacturing Co	Paste	5.18
13	John C. Parker	Book	3.75
13	Hugh Reilly	Japan drier	.48
14	Lubroline Oil Co	Oil	22.95
14	American Ice Co	Ice for October	23.73
14	James B. Lambie	Repairing office chairs	6.50
14	Signor & Hardy	Shoeing horses	3.75
14	The Smith Premier Typewriter Co.	Repairing typewriter	5.00
18	F. P. Hackney	Boarding horses, November	35.00
18	Geo. Rynéal, jr	Benzine	.80
18	John C. Parker	Type wheel	2.50
18	Bowers & Daly	Shoeing horses	.75
18	Craig & Harding	Window shades	2.25
18	Pearce, Lawton & McReynolds.	Repairing carriage	59.00
18	C. Becker	Lap robe	6.50
18	American Ice Co	Ice for October	20.53
18	Newman & Son	Repairing typewriter	5.00
19	C. Becker	Horse blankets	12.00
19	Lucy Payne	Washing towels, November	3.30
19	Easton & Rupp	Typewriter ribbons	5.40
21	F. A. Schneider	Paper pails	.60
21	Wyckoff, Seamans & Benedict.	Typewriter paper	9.75
22	Church and Stephenson	Lumber	4.82
22	Forker & Baldwin	Flag	4.50
22	Kohler Manufacturing Co	Paste	4.32
Total second quarter			912.61
1894.			
Jan. 3	John C. Parker	Index cards, etc.	7.50
3	Chas. Decker	Sperm oil	.90
11	Wm. Ballantyne & Sons	Mucilage brushes, etc.	2.46
11	James B. Lambie	Hardware	10.25
12	John C. Parker	Washington city directory	5.00
12	do	Blank book	15.50
12	M. G. Copeland & Co	Awning cover	3.00
13	John Lynch	Shoeing horses	6.75
13	Lucy Payne	Washing towels, December	2.56
17	Newman & Son	Repairing typewriter	6.00
18	F. P. Hackney	Boarding horses, December	35.00
18	American Ice Co	Ice for December	19.57
19	Chesapeake and Potomac Telephone Co.	Rent of telephone, October 1 to December 31.	25.00
22	Crane & Co	Paper	14.00
27	John C. Parker	Toilet paper, etc	8.20
27	do	Ink	1.00
29	Columbia Phonograph Co	Rent of phonographs, July 1 to October 31	120.00
Feb. 2	F. P. Hackney	Hauling	12.00
3	S. P. Langley, secretary Smithsonian Institution.	Transportation of exchanges, October 1 to December 31.	9.41
3	Craig & Harding	Window shades	5.00



Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## WEATHER BUREAU—CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Feb. 5	F. A. Schneider	Emery paper	\$2.80
5	John C. Parker	Repairing typewriter	30.50
5	W. B. Moses & Sons	Billiard cloth	4.67
7	Gottlieb Spitzer	Rubber stamps	.82
7	John C. Parker	Ribbons for typewriter	2.95
9	Lucy Payne	Washing towels, January	3.96
12	Wyckoff, Seamans & Benedict	Repairing typewriter	3.00
12	James B. Lambie	Gift nails	.50
12	Smith Premier Typewriter Co.	Repairing typewriter	6.00
16	American Ice Co.	Ice for January	17.43
19	Herdic Phaeton Co.	Herdic tickets	39.00
21	John Lynch	Shoeing horses	5.00
27	Wm. Ballantyne & Sons	Books	11.27
28	John C. Parker	Postal Guides	12.80
28	Newman & Son	Caligraph typewriter	76.50
28	P. S. Murphy	Ventilators	1.40
Mar. 2	W. B. Moses & Sons	Cleaning carpets, etc.	56.68
7	Melville Lindsay	Rubber suits, etc.	17.55
7	Herman Baumgarten	Rubber stamps	2.50
7	Gottlieb Spitzer	do	.83
7	C. Becker	Repairing harness	64.15
7	F. P. Hackney	Boarding horses, January and February	70.00
7	do	Hire of horses, January 29 to February 21	31.50
7	E. M. Willis	Ice for February	15.06
10	Geo. W. Knox Express	Custom-house charges, etc.	7.49
10	James B. Lambie	Hardware	12.25
10	John Lynch	Shoeing horses	5.25
10	Royce & Marean	Varnish	.60
10	F. S. Cahill & Co.	Repairing bicycle	11.25
15	Fred. A. Schmidt	Ink brushes, etc.	7.46
15	Church & Stephenson	Lumber	73.06
15	John C. Parker	Toilet paper	7.45
19	Wyckoff, Seamans & Benedict	Remington typewriter	90.00
19	Herman Baumgarten	Repairing inking stamp	3.00
24	Gustav E. Stechert	Books and pamphlets	9.90
24	Ginn & Co.	Book	2.50
24	F. S. Cahill & Co.	Repairing bicycle	3.50
24	B. F. Whiteside	Ink	.40
24	Herman Baumgarten	do	.60
24	Royce & Marean	Varnish	3.83
24	Hugh Reilly	Pane of glass	.40
31	John L. Browning	1 horse	100.00
31	Pearce & Lawton	Furnishing and putting in bolts	.50
31	Lucy Payne	Washing towels for February, 1894	3.19
31	Newman & Son	Repairing caligraph	5.10
31	Gottlieb Spitzer	Rubber stamps	.60
31	James B. Lambie	Hardware	6.16
	Total third quarter		1,140.46
Apr. 3	F. P. Hackney	Boarding 2 horses, March, 1894	35.00
10	The Smith Premier Typewriter Co., Frank M. Evans, manager.	Repairing typewriter, March, 1894	7.00
11	E. M. Willis	Ice, March, 1894	20.97
11	Royce & Marean	Speaking tubing, etc., March, 1894	1.14
16	John Lynch	Shoeing horses, March, 1894	3.00
17	John C. Parker	Files, March, 1894	15.50
17	The Chesapeake and Potomac Telephone Co.	Rent of telephone, January, February, and March, 1894	25.00
17	Brinkman Bros.	Repairing wagon, April, 1894	5.75
30	D. A. Tower	Ink eradicator, March, 1894	1.80
30	Robertie Payne	Washing towels, March, 1894	3.66
May 5	The Smithsonian Institution	Transportation of exchanges, quarter ending March 31, 1894	54.02
5	John McDermott & Bro	Axle oil, April, 1894	.50
7	William Daw	Halter, April, 1894	1.00
10	F. Petersen	Window shades, March, 1894	6.22
10	T. S. Cahill & Co.	Repairing bicycles, April, 1894	6.00
12	Newman & Son	Repairing typewriter, March, 1894	12.80
12	James B. Lambie	1 door check, spring, etc., April, 1894	4.00
15	F. P. Hackney	Boarding 2 horses, April, 1894	35.00
15	do	Hire of horse, etc., March 6 to April 5, 1894	33.00
15	Easton & Rupp	Paper and envelopes, April, 1894	15.60
15	E. M. Willis	Ice, April, 1894	19.99
15	Wyckoff, Seamans & Benedict	Repairing typewriter, April, 1894	.50
15	R. C. M. Burton	Furnishing and adjusting awnings, etc., April, 1894	21.95
15	William Daw	Repairing harness, May, 1894	.75
15	Gottlieb Spitzer	1 rubber stamp, April, 1894	.30

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
May 15	B. F. Whiteside .....	Sulphuric acid, May, 1894 .....	\$0.40
16	John C. Parker .....	Silk taste, April, 1894 .....	3.75
18	Brinkman Bros. ....	Repairing mail wagon, April, 1894 .....	1.75
26	Newman & Son .....	Repairing typewriter, May, 1894 .....	35.00
26	Wm. Ballantyne & Sons .....	1 copy of Heyne, Worterbuch, vol. 5, May, 1894 .....	1.48
26	Hermann Baumgarten .....	2 self-inking hand stamps, May, 1894 .....	3.00
26	John C. Parker .....	Toilet paper, May, 1894 .....	7.45
31	Robertie Payne .....	Washing towels, April, 1894 .....	3.80
31	John Lynch .....	Shoeing horses, April, 1894 .....	4.50
June 1	Wm. Ballantyne & Sons .....	Manila envelopes, May, 1894 .....	4.50
1	F. S. Cahill & Co .....	Repairing bicycles, May, 1894 .....	6.75
9	E. M. Willis .....	Ice, May, 1894 .....	25.70
11	The Florida Times-Union .....	Advertising, May, 1894 .....	11.20
18	Wm. Wesley & Son .....	Foreign publications, November, 1893 .....	61.33
18	Manogue & Jones .....	Sapolo, May, 1894 .....	.90
18	F. S. Cahill & Co .....	Repairing bicycle, June, 1894 .....	3.50
18	F. P. Hackney .....	Boarding 2 horses, May, 1894 .....	35.00
18	Easton & Rupp .....	Copying tank, etc., May, 1894 .....	12.00
18	Herman Baumgarten .....	Rubber hand stamps, June, 1894 .....	1.00
19	Easton & Rupp .....	Eyelet punches, June, 1894 .....	3.50
21	W. B. Moses & Sons .....	Repairing window shades, May, 1894 .....	2.70
30	Robertie Payne .....	Washing towels, May, 1894 .....	3.33
30	John Lynch .....	Shoeing horses, May, 1894 .....	6.75
	Total fourth quarter .....		569.75
	Supplemental.		
1894.			
July 2	Newman & Son .....	Repairs to caligraph, June, 1894 .....	1.00
2	Church & Stephenson .....	Lumber, May, 1894 .....	6.16
2	F. S. Cahill & Co .....	Repairs to bicycle, June, 1894 .....	.50
14	The Smith Premier Typewriter Co. ....	Type-cleaning brush, June, 1894 .....	.25
14	Royce & Marean .....	Glass battery jars, June, 1894 .....	4.39
14	John McDermott & Bro. ....	Repairs to carriage, June, 1894 .....	21.50
14	do .....	Rubber apron for carriage, June, 1894 .....	2.75
14	W. B. Moses & Sons .....	Carpet sweeper, June, 1894 .....	3.50
20	E. M. Willis .....	Ice, June, 1894 .....	30.72
31	Robertie Payne .....	Washing towels, June, 1894 .....	3.50
Aug. 4	John C. Parker .....	1 letter-press, etc, May and June, 1894 .....	15.25
4	Adams Express Co .....	Transportation, United States Weather Bureau property, June, 1894 .....	3.65
7	F. P. Hackney .....	Boarding 2 horses, June, 1894 .....	35.00
7	Wm. Ballantyne & Sons .....	Shipman files, June, 1894 .....	9.54
7	Geo. A. Young .....	Repairing bicycle, June, 1894 .....	1.00
11	C. Becker .....	New harness, whip, lap blanket, etc., May, 1894 .....	11.00
11	Jas. B. Lambie .....	Key blanks, June, 1894 .....	2.70
11	The Chesapeake and Potomac Telephone Co. ....	Rental and exchange service, April 1 to June 30, 1894 .....	25.00
Sept. 1	Smithsonian Institution .....	Transportation of exchanges, April 1 to June 30, 1894 .....	47.92
19	A. S. Abell Co .....	Advertising .....	10.93
	Total supplemental .....		236.26

## RECAPITULATION.

Total first quarter .....	\$1,000.85
Total second quarter .....	912.61
Total third quarter .....	1,140.46
Total fourth quarter .....	569.75
Total supplemental .....	236.26
Total .....	3,859.93

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

WEATHER BUREAU—GENERAL EXPENSES.

Date.	Name.	Nature of payment.	Total.
1893.			
July 31	L. Winters et al .....	Printing-office salaries for July .....	\$1,899.13
31	Franck Farish .....	Salary for July .....	83.20
Aug. 3	Darrow & Comstock .....	Oil, etc. ....	7.03
9	Alex. G. Burns .....	Traveling expenses, July 3 .....	2.00
9	G. N. Wilson .....	do .....	7.30
10	The Standard Engraving Co. ....	Engraving plate .....	4.25
10	Craig & Harding .....	Duster .....	1.07
10	Z. D. Gilman .....	Student lamp, etc .....	6.57
10	Chas. Becker .....	Brush, etc .....	.86
10	C. Becker .....	Ankle boot .....	.50
10	C. H. Burdick .....	Making keys .....	1.00
10	Henry Beckman & Son .....	Oil, etc .....	8.75
10	Megeath Stationery Co .....	Stationery .....	6.05
10	C. W. Yates .....	Oil, etc .....	10.02
10	John M. Miller .....	Stationery .....	12.50
10	George W. Beckwith .....	Repairing flagstaff .....	3.00
10	E. J. Brooks & Co .....	Scissors .....	.84
10	Manhattan Supply Co. ....	Flag .....	2.08
10	Wm. M. Dudley .....	Traveling expenses, July .....	11.00
10	Geo. B. Wurtz .....	do .....	6.60
10	The Baltimore Traction Co .....	Car fares, July .....	54.75
10	T. L. Bridges .....	Traveling expenses, July .....	7.50
11	Frank Rentz .....	Repairing instrument shelter .....	5.00
11	Paul Daniels .....	Traveling expenses, July .....	14.75
11	C. C. Howorth .....	Stationery .....	1.80
11	Alfred F. Sims .....	Services, July 15 to 19 .....	19.03
11	W. S. Gosnell .....	Services, July .....	5.00
11	John H. Hook .....	do .....	4.00
11	John Edwards .....	do .....	3.00
11	C. F. Gregor .....	do .....	5.00
11	Elizabeth H. Hobbs .....	do .....	3.00
11	Richard Titus .....	do .....	4.00
11	J. N. Applebaugh .....	do .....	36.00
11	Jennie Pritchett .....	do .....	3.00
11	Dennison Manufacturing Co. ....	Card holders .....	54.60
11	Thos. Robinson .....	Services for July .....	25.00
11	Frank Goltart, jr .....	do .....	3.00
11	Cleveland Electric Rwy. Co .....	Street-car tickets, July to September .....	9.00
11	Haley Grocery Co .....	Coal oil .....	2.20
11	Lowman & Hanaford S. and P. Co. ....	Ink .....	6.00
11	W. M. Case .....	Services for July .....	40.00
11	J. G. Kapp .....	Repairing clock, etc .....	2.00
11	W. A. Pate .....	Belt lacing .....	2.00
17	Joseph Chilberg .....	Office rent, Olympia, Wash., July .....	26.50
17	Wild & Stevens .....	Recasting rollers .....	2.80
17	J. L. Davis .....	Ink and mucilage .....	3.50
17	G. T. Reidy .....	Oil .....	5.00
17	John F. McLean .....	Ink and mucilage .....	10.65
17	C. H. Richardson .....	Expenses, July .....	3.00
17	Norfolk and Washington Steam-boat Co. ....	Freight charges, July 3 .....	6.91
17	do .....	Freight charges, June 26 .....	.25
17	Toilet Supply Co .....	Toilet supply, July .....	1.50
17	R. H. Weeks .....	Water cooler .....	3.50
17	H. H. Kimball .....	Traveling expenses, July and August .....	6.25
17	Robert Sherrard .....	Services as cleaner, July .....	3.00
17	C. Petersen .....	Ink, mucilage, etc .....	25.30
17	Chas. Williams .....	Wood .....	48.00
17	Memphis Light and Power Co. ....	Electric current, July .....	4.54
17	J. P. Sheldon .....	Repairing instrument, shelter, etc .....	8.00
17	Royce & Marean .....	Telegraph supplies .....	27.44
17	Geo. Ryneal, jr .....	Lanterns, etc .....	11.51
17	do .....	Lamp shades, etc .....	82.46
17	Andrew B. Graham .....	Engraving .....	12.50
17	H. Brown .....	Drayage .....	5.25
17	Manning & Smith .....	Labor and material .....	11.00
17	Broadwater & Pepin .....	Repairing boardwalk, etc .....	18.00
17	do .....	Coal, oil, etc .....	66.04
17	Valentin Montoya .....	Services as cleaner, July .....	5.00
17	B. A. Jeune .....	Office rent, Idaho Falls, Idaho, July .....	30.00
17	W. D. Clark & Co. ....	Towels, etc .....	91.88
18	J. C. Entwistle .....	Engraving .....	5.00
18	F. P. May & Co .....	Brushes, etc .....	21.03
18	J. H. Chesley & Co .....	Telegraph supplies .....	11.50
18	Forsberg & Murray .....	Labor and material .....	68.00
18	United States Express Co .....	Expressage .....	6.01
18	Adams Express Co .....	do .....	1.89
18	John C. Parker .....	Sponges .....	6.00
18	Charles Becker .....	Panes of glass .....	16.70



## EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

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*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Aug. 18	E. P. Jones	Expenses, July	\$6.65
18	J. Benson Starr	Mucilage	1.00
18	W. C. Shelton	Storage, July	1.50
18	G. B. McCoy	Telegraphing, July	6.00
18	W. G. Sloane & Co	Matting	7.31
18	J. J. Sweeney	Painting	15.00
18	Brown Printing Co	Printing bulletins	4.00
18	James White	Repairing river gauge	11.50
18	The J. K. Gill Co	Ink and mucilage	9.05
18	T. N. Dunbar	Brooms, matches, etc	5.30
18	W. B. Bodéy	Office chair	2.50
18	G. A. Shannon	Desk	14.50
18	S. J. Lutz & Co.	Broom and oil	7.50
18	R. S. Smith	Wood	40.00
18	J. E. Lanouette	Repairing United States telegraph line	2.00
18	D. C. Hibbard	do	8.75
18	T. J. Considine	Hauling, etc	1.10
18	C. F. Jones	Repairing United States telegraph line	9.00
18	Green, Burke & Gregory	Binding weather maps	3.00
18	A. M. Clark	Painting river and snow gauge	17.50
18	H. J. Little	Wood	100.00
18	The Arctic Ice Co	Ice for July	3.19
18	F. Rees Woolford & Co.	Matches, brooms, etc	2.96
18	J. J. Veeder	Repairing United States telegraph line	10.00
18	James Cameron	Hauling	15.00
18	R. C. Arrell	Repairing United States telegraph line	3.00
18	W. E. Hill	do	1.50
18	Joseph P. Gardner	Repairing office chairs	1.00
18	M. G. Guy	Lumber	21.75
18	H. E. Hodgson	Repairing clock	2.00
18	W. L. House	Drayage	2.00
18	Manhattan Supply Co	Alarm clocks	101.98
18	do	Feather dusters, etc	7.22
18	Julien P. Friez	Repairing anemometers	165.00
18	do	Copper funnels	15.00
18	Wyoming Midland Telegraph Co.	Telegraphing, July	11.50
18	C. H. Burdick	Labor and material	.75
18	W. H. Henley	Expenses, July	6.00
18	Walter A. Luscombe	Hire of team	3.00
18	John J. Veeder	Repairing cable	3.00
18	H. P. Clapp	do	6.00
18	John Roberts	do	6.00
18	E. F. Donnelly	do	4.00
18	Martin Lawson	do	5.00
18	L. B. Midgett, jr	do	4.50
22	Manhattan Supply Co	Twine	45.00
22	H. J. Little	Services, July 28 and 29	7.00
22	A. J. Stovall	Repairing United States telegraph line	2.00
22	Clarke & Co	Ink and mucilage	5.00
22	The Dodge & Brown Co	Ink, mucilage, etc	5.00
22	S. H. Fleming	do	10.55
22	The Redhead, Norton, Lathrop Co.	Ink and mucilage	4.15
22	Gethins Electric Manufacturing Co.	Electrical supplies	13.50
22	W. P. Phillips	Water cooler	5.00
22	John Palmer	Painting	9.50
22	J. C. Ergood & Co	Brooms, etc	149.15
22	John C. Parker	Paper	98.40
22	Royce & Marean	Hardware	63.25
24	M. J. Adler	do	43.20
24	J. A. Miller	Matches, etc	17.30
24	J. L. B. Vial	Cleaning clock	2.00
24	Will Van Duzer	Services for July	20.00
24	Madison Edwards	Repairing United States telegraph line	6.00
25	Henry J. Green	Thermometer	2.25
25	Leon J. Glaenzler & Co.	Barometer	10.37
25	W. S. Gosnell	Repairing zinc floor, etc	3.00
25	John C. Parker	Paper	312.50
25	J. H. Chesley & Co	Brushes, etc	64.00
25	Wm. Ballantyne & Son	Pins	32.50
31	L. Winters et al	Printing-office pay roll for August	1,898.52
31	Franck Farish	Services for August	86.40
31	F. A. Schneider	Bucket, etc	1.65
31	T. J. Randolph	Traveling expenses, August	8.35
Sept. 2	M. Silverberg & Co.	Map frames	12.00
2	The W. H. Houghton Manufacturing Co.	Cleaning carpet	4.14
2	Royce & Marean	Electrical supplies	769.53

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893. Sept. 2	E. J. Brooks & Co.	Stationery.	\$35.78
2	D. C. Hibbard	Repairing gauge, etc.	4.00
2	Kohler Manufacturing Co.	Gum arabic	6.60
2	M. J. Wright, jr.	Traveling expenses, August	4.00
2	Julius Edwards	Ice for July	5.42
2	George L. McDonald	Repairing telegraph line	8.50
2	Ginn & Co.	Subscription to American Meteorological Journal, July, 1893, to June 30, 1894.	112.50
2	C. A. Smith	Drayage, etc.	1.20
2	J. H. Hook	Services as cleaner, August	4.00
2	John Edwards	do	3.00
2	W. M. Case	Services, August	40.60
2	W. S. Gosnell	Services as cleaner, August	5.00
2	Thomas Reed	Repairing United States telegraph line	2.50
2	Will Van Duzer	Services, August	20.00
2	A. W. Stevens	Hauling	.75
2	C. F. Gregor	Services as cleaner, August	5.00
2	Andrews & Bayles	Labor and material	150.00
2	J. L. Stephens	do	30.00
2	Manhattan Supply Co.	Clocks	32.22
2	Yazoo and Mississippi Valley R. R. Co.	Transportation, E. C. Easton, Aug. 21	6.80
2	Steam Gauge and Lantern Co.	Lamps, etc.	388.50
2	Geo. Meier & Co.	Lithograph stones, etc.	47.85
2	Harry Murphy	Erecting halyards	12.00
2	Alpena Cedar Co.	Poles	6.25
2	Cleveland City Rwy. Co.	Street-car tickets, Aug. 1 to Dec. 31	9.00
4	Mayer & Co.	Pump	2.50
4	T. S. Autram	Traveling expenses, August	7.31
4	B. L. Waldron	do	13.50
4	J. L. Cottrill	Moving furniture	2.50
4	Jennie Pritchett	Services as cleaner, August	3.00
4	Enterprise Telegraph Co.	Telegraphing, July	2.00
4	Andrew Renz	Sharpening knives	3.00
12	John C. Parker	Stationery	1,431.00
12	Easton & Rupp	do	183.85
13	Robt. C. Orrell	Repairing United States telegraph line	3.00
13	Benj. F. Nickerson	do	12.00
13	Emma Ling	Services as cleaner, July 1 to Aug. 31	10.00
13	S. J. Lutz & Co.	Stove	15.00
13	Valentine Montoya	Services as cleaner, August	5.00
13	J. N. Applebaugh	Services for August	36.00
13	Jno. M. Klein	Repairing United States telegraph line	22.50
13	J. M. Coe	Ink, macilage, etc.	5.00
13	J. E. Lanquette	Horse hire, etc.	3.50
13	Andrew McMaster	Erecting flagstaff	50.00
13	John Thomson	Railing on instrument shelter	28.22
13	Jackson & Bell	Labor and material	7.50
13	J. F. Newson	Traveling expenses July and August	2.50
13	The Chesapeake and Ohio Rwy. Co.	Transportation, H. H. Kimball, July 31	17.00
13	G. N. Lysight	Traveling expenses, August	6.65
13	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.	Telegraphing, July	21.36
13	The Edison Mutual Telegraph Co.	do	8.54
13	Philadelphia, Reading and Pottsville Telegraph Co.	Telegraphing, July	3.63
13	Thomaston and Barnesville Telegraph Co.	do	1.90
13	East Tennessee, Virginia and Georgia Rwy.	do	.20
13	Joseph Donavill	Shelving	10.00
13	New England Telephone and Telegraph Co.	Telegraphing, July	1.20
13	Richard Titus	Services as cleaner, August	4.00
13	Thos. Robinson	Services, August	25.00
13	W. A. Hartel	Services, July	6.20
13	J. H. Mann	Copying books	142.25
13	Memphis Light and Power Co.	Electric current, August	5.00
13	E. S. Greeley & Co.	Electrical supplies	213.95
13	Great Northwestern Telegraph Co.	Telegraphing, July	120.17
13	The C. S. Hook Co.	Repairing stock	3.00
13	White & Dodson	Electric supplies	700.40
13	Norman B. Conger	Traveling expenses, September	8.00
13	do	Traveling expenses, August	24.60
13	Maine Central R. R. Co.	Transportation, E. P. Jones, July 17	8.50
13	Michigan Central R. R. Co.	Transportation, T. L. Bridges et al., July 21	29.75
13	Western Railway of Alabama	Transportation, W. M. Dudley, July 7	1.77

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Sept. 13	Pay roll, Cairo, Ill.	Substations, salaries, April 1 to June 30	\$37.00
13	Chicago, Burlington and North- ern R. R. Co.	Telegraphing, July	1.78
13	D. A. Tower	Rubber bands, etc.	255.02
13	Chas. M. Stoevers	Manila paper	54.50
13	The West Jersey Paper Manu- facturing Co.	Wrapping paper	277.50
13	J. H. Thiemeyers & Co.	Packing boxes	98.30
13	E. S. Greeley & Co.	Government brackets	35.00
13	J. J. Veeder	Repairing United States telegraph line	3.00
13	James Cameron	do	2.50
13	Simon Porter	Ladder	5.00
13	Henry Gennel & Co.	Clock oil	16.00
13	W. T. Weaver	Belt hooks, etc.	3.10
13	Chas. G. Stott & Co.	Twine	9.00
13	F. P. May & Co.	Screw-drivers	9.00
13	J. H. Chesley & Co.	do	28.75
13	The Voigt Manufacturing Jew- elry Co.	Spectacles	3.50
13	Julien P. Friez	Barometer boxes	210.00
13	Wm. Ballantyne & Sons	Stationery	51.75
13	Andrew B. Graham	Electrotype plates	41.40
16	W. J. Wambaugh	Traveling expenses, July	6.75
16	Philadelphia, Reading and Pottsville Telegraph Co.	Telegraphing, August	6.07
16	John C. Parker	Stationery	1,245.69
16	W. B. Moses & Sons	Mats	50.00
19	Thos. Somerville & Sons	Lead	1.40
19	Chas. T. Carter & Co.	Brooms, etc.	7.96
19	Wm. Ballantyne & Sons	Paper	21.08
19	C. B. Fenton & Co.	Recasting rollers, etc.	78.15
19	Newman & Son	Cyclostyle pens	27.50
19	H. J. Penrod	Traveling expenses, September	35.60
19	MacKellar, Smiths & Jordan Foundry.	Printers' supplies	103.12
19	Frederick Printing and Sta- tionery Co.	Ink, mucilage, etc.	9.72
19	Geo. Dulling	do	7.55
19	Pettingill-Andrews Co.	Okenite wire	2.66
19	J. I. Franklin	Desk	14.75
19	Wm. B. Frazier & Co.	Repairing office chair	.75
19	Brown Printing Co.	Printing bulletins	5.00
19	Joseph A. Smith	Office rent, Idaho Falls, Idaho, August	30.00
20	Stephen Land	Labor and material	30.00
20	R. J. Hyatt	Drayage	1.35
20	Golding & Co.	Repairing knives, etc.	4.90
20	E. S. Greeley & Co.	Telegraphic supplies	63.60
20	D. C. Hibbard	Repairing United States telegraph line	18.25
20	Chicago Edison Co.	Electric lamps	15.00
20	G. B. McCoy	Telegraphing, August	6.00
20	Chas. Scribners' Sons	Books	9.00
20	Robert Pile	Labor and material	4.00
20	R. T. Morgan	Typewriter	90.00
20	Scribner-Libbey Co.	Repairing rain gauge	.50
20	Walter O. Luscombe	Repairing United States telegraph line	1.00
20	James Cameron	do	1.50
20	John J. Veeder	do	3.00
20	Charleston City Rwy. Co.	Street-car tickets	24.00
20	F. P. Chaffee	Traveling expenses, September	2.00
20	F. P. May & Co.	Hardware	137.98
20	J. D. Free, jr.	Milliographs	45.00
20	Frank Burke	Traveling expenses, September	7.75
20	F. W. Devoe & C. F. Reynolds Co.	Paint	2.00
20	M. Madigan	Repairing United States telegraph lines	7.50
20	A. J. Robbins	do	7.50
20	Robert Sherrard	Services as cleaner, August	3.00
20	H. J. Little	Services, August	28.00
20	H. P. Hardin	Services, Aug. 26 to Sept. 2	12.00
20	The Arctic Ice Co.	Ice, August	3.10
20	Theodore Thompson	Services, July 1 to Aug. 18	15.81
20	Gardiner & Worthen	Repairing rain gauge	2.50
20	Joe Coley	Repairing United States telegraph line	2.50
21	Delaware and Hudson Canal Co.	Transportation A. F. Sims, July 14	5.02
21	Asa Dosher	Traveling expenses, August	15.05
21	Wyoming Midland Telegraph Co.	Telegraphing, August	13.48
21	Ocean Towboat Line Tele- graph.	do	30.00



*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATAER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893. Sept. 21	Louisville and Nashville R. R. Co.	Transportation W. M. Dudley, July 3.....	\$11.35
21	T. S. Autram.....	Expenses, Sept. 8.....	1.00
21	P. F. Lyons.....	Expenses, Aug. 31.....	2.00
21	B. S. Pague.....	Traveling expenses, September.....	8.25
22	Max Wagner.....	Traveling expenses, August.....	6.20
22	Benj. R. Stuart.....	Traveling expenses, September.....	1.50
22	H. C. Bate.....	Traveling expenses, August.....	20.15
22	G. E. Lawton.....	do.....	6.30
22	Geo. Ryneal Jr.....	Brushes, etc.....	34.85
22	Church & Stephenson.....	Lumber.....	124.16
22	Norman B. Conger.....	Traveling expenses, August.....	20.80
26	S. Marks & Co.....	Hauling.....	7.75
26	The Edison Mutual Telegraph Co.	Telegraphing, August.....	7.34
26	E. R. Demain.....	Erecting flagstaff.....	2.00
26	Standard Thermometer Co.....	Dial sheets.....	2.50
26	B. Granter.....	Repairing clock.....	2.00
26	Leon J. Glaenzer & Co.....	Repairing thermograph.....	3.87
26	Pay roll, St. Louis, Mo.....	Substation salaries, July 1 to Sept. 15.....	38.50
26	U. G. Myers.....	Drayage.....	2.00
27	Richmond and Danville R. R. Co.	Freight charges, July 6.....	2.84
27	Geo. E. Hunt.....	Printing bulletins.....	6.00
27	Toilet Supply Co.....	Toilet service, August.....	1.50
27	P. J. Bolton.....	Repairing clock.....	2.50
27	F. L. Graham.....	Labor, Sept. 7.....	75
27	do.....	Expenses, September.....	3.25
27	Norman B. Conger.....	Freightage, etc.....	3.19
27	W. C. Shelton.....	Storage of crane.....	1.50
27	F. W. Williams.....	Hauling.....	2.00
27	P. F. Lyons.....	do.....	1.00
27	Foster Cornice and Metal Co.....	Repairing rain gauge.....	2.00
27	G. H. Willson.....	Drayage.....	1.00
27	Olaiver Lorenzen.....	Repairing United States telegraph line.....	26.00
27	C. D. Brockway.....	do.....	26.00
27	John Fallon.....	do.....	26.00
27	Charles Edwards.....	do.....	25.00
27	John A. Barker.....	Services as cleaner, July 1 to Aug. 31.....	6.00
27	Frank McGill.....	Repairing United States telegraph line.....	8.00
27	James H. McCutcheon.....	do.....	8.00
27	G. W. Twiford.....	do.....	9.00
27	Geo. W. Summerfield.....	Drayage.....	75
27	Geo. M. Dilley & Son.....	Castings, etc.....	3.00
27	Geo. B. Wurtz.....	Expenses, Sept. 17.....	75
27	Pennsylvania Co.....	Transportation G. N. Wilson, July 5.....	17.50
27	Yazoo & Mississippi Valley R. R. Co.	Transportation G. N. Lysight, Aug. 22.....	16.50
27	E. Drinkwater.....	Freight charges, July 5.....	10.50
27	Easton & Rupp.....	Stationery.....	75.55
28	David Arkin.....	Moving flagstaff.....	12.00
28	L. N. Jesunofsky.....	Freight and cartage.....	.95
28	Curphey & Mundy.....	River gauge.....	3.30
28	Christian Floetod.....	Support for river gauge.....	2.50
28	Wm. Crossmyer.....	Repairing whirling apparatus.....	1.00
28	M. Wright.....	Expenses, September.....	1.00
28	Fred W. Decker.....	Repairing caligraph.....	1.50
28	Robert Mayer & Co.....	Varnish, etc.....	77.65
28	J. M. Bateman.....	Ice, July 1 to Aug. 31.....	3.00
28	A. L. Johnson.....	Drayage.....	1.75
28	W. A. Joyce.....	Placing river gauge.....	2.25
28	R. B. Babington.....	Services, July 1 to Aug. 31.....	15.50
28	F. J. Walz.....	Traveling expenses, August.....	20.75
28	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.	Telegraphing, August.....	23.51
28	Enterprise Telegraph Co.....	do.....	2.30
28	New England Telephone and Telegraph Co.....	do.....	1.40
28	Chicago, Burlington and Northern R. R. Co.....	do.....	1.16
28	Newport News and Mississippi Valley Co.....	Telegraphing, July.....	2.60
28	Nathaniel R. Taylor.....	Expenses, September.....	3.00
28	Pennsylvania R. R. Co.....	Freight charges, Aug. 7.....	4.84
28	do.....	Freight charges, July 31.....	.25
28	East Tennessee, Virginia and Georgia Rwy. Co.....	Freight charges, Aug. 14.....	2.21
28	Steamer G. W. Danielson.....	do.....	8.55
28	Empire Line.....	Freight charges, Aug. 17.....	1.26
28	G. W. Wood.....	Services, July 1 to Aug. 31.....	15.50

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Sept. 28	J. H. Brown .....	Storage, July 1 to Aug. 31 .....	\$4.00
28	Harry A. Sayles .....	Freightage, Aug. 9 .....	39.52
28	H. J. Penrod .....	Services, Aug. 29 to Sept. 14 .....	68.00
28	Samuel Springman .....	Hauling .....	10.31
30	Wm. M. Dudley .....	Drayage, etc. ....	8.17
30	G. A. Hoff .....	Matches, etc. ....	7.33
30	P. Connor .....	Street-car tickets .....	3.00
30	Ford A. Carpenter .....	Hauling .....	.50
30	C. E. Cosby .....	Services, July 1 to Aug. 31 .....	10.00
30	American Express Co. ....	Express charges .....	1.20
30	H. F. Alcatorre .....	Drayage .....	.75
30	L. Winters et al .....	Printing office roll for September .....	1,877.40
30	Laura F. Hawkins .....	Salary for September .....	81.60
30	do .....	Salary for Aug. 30 and 31 .....	5.43
30	Frank Farish .....	Salary for September .....	83.20
	Total first quarter .....		17,977.62
Oct. 2	Geo. W. Felger .....	Drayage .....	4.00
2	Toilet Supply Co .....	Toilet service, September .....	1.50
2	J. E. Denton .....	Moving instruments .....	7.00
2	Geo. S. Sylvester .....	Labor and material .....	2.40
2	Temple Farrington Co .....	Matches, etc. ....	1.15
2	J. N. Barnard .....	Hauling .....	.75
2	Joseph Chilberg .....	Office rent, Olympia, Wash., August .....	26.50
2	J. Baumgarten & Son .....	Ink .....	12.50
2	Geo. Meier & Co .....	Lithographic stones .....	94.40
3	J. C. Entwistle .....	White rags .....	8.00
4	T. L. Bridges .....	Printers' supplies .....	1.90
4	Parker Bros .....	Desk and chairs .....	28.00
4	C. F. R. Wappenhaus .....	Cartage .....	1.00
4	Seattle Coal and Iron Co .....	Coal .....	90.00
4	Burroughs & Vivion Bros .....	Mucilage and ink .....	2.90
4	C. F. Gregor .....	Services as cleaner, September .....	5.00
4	W. B. Mann .....	Matches .....	.60
4	A. Williams & Co .....	Mucilage and ink .....	4.70
4	Homer W. Styron .....	Office rent, Hatteras, N. C., July 1 to Sept. 30 .....	38.62
4	D. S. Hutchinson .....	Office rent, Titusville, Fla., July 1 to Sept. 30 .....	85.74
4	W. M. Case .....	Services, September .....	40.00
4	Edward W. Goffin .....	Services as cleaner, July 1 to Sept. 30 .....	9.00
4	Fresno Loan and Savings Bank .....	Office rent, Fresno, Cal., July 1 to Sept. 30 .....	100.00
4	Joseph Chilberg .....	Office rent, Olympia, Wash., September .....	26.50
4	Baer & Bloch .....	Office rent, Baker City, Oreg., July 1 to Sept. 30 .....	87.50
4	E. H. Jamieson .....	Office rent, Spokane, Wash., July 1 to Sept. 30 .....	64.20
4	Wallawalla Lodge, No. 56, I. O. O. F. ....	Office rent, North Platte, Nebr., July 1 to Sept. 30 .....	84.87
4	The Columbian Building Co .....	Office rent, Topeka, Kans., July 1 to Sept. 30 .....	87.50
4	B. J. Wolff .....	Office rent, Montrose, Colo., July 1 to Sept. 30 .....	75.00
4	Chas. E. Bryant, receiver .....	Office rent, Huron, S. Dak., July 1 to Sept. 30 .....	78.25
4	John H. Clune .....	Office rent, Cheboygan, Mich., July 1 to Sept. 30 .....	44.00
4	H. C. Painter .....	Traveling expenses, September .....	4.65
4	W. J. Wambaugh .....	Expenses, July .....	21.75
4	John C. Parker .....	Stationery .....	226.38
4	St. Louis, Keokuk and North-western R. R. Co. ....	Transportation G. N. Lysight, Aug. 25 .....	3.30
4	Rome, Watertown and Ogdensburg R. R. Co. ....	Transportation B. L. Waldron, Aug. 16 .....	49.90
4	E. J. Brooks & Co .....	Twine .....	76.03
4	A. G. Burns .....	Traveling expenses, September .....	19.75
5	I. M. Cline .....	Drayage, etc. ....	1.85
5	E. H. Emery .....	Traveling expenses, September .....	7.55
5	Kate E. Reynolds .....	Services as cleaner, September .....	15.00
5	J. B. Lippincott Co .....	Mucilage .....	2.25
5	Samuel Hogarth .....	Erecting flagstaff, etc .....	25.00
5	E. M. Edwards .....	Labor, Sept. 18 to 21 .....	25.00
5	Harry A. Sayles .....	Hardware .....	619.66
5	R. C. Orrell .....	Repairing United States telegraph line .....	3.00
5	A. J. Mulligan .....	Services, July 1 to Sept. 30 .....	27.00
5	Benj. P. Nickerson .....	Repairing United States telegraph line .....	1.25
5	W. S. Gosnell .....	Services as cleaner, September .....	5.00
5	William Crawford .....	Office rent, Pysht, Wash., July 1 to Sept. 30 .....	30.00
5	Puget Sound Cooperative Colony .....	Office rent, Port Angeles, Wash., July 1 to Sept. 30 .....	59.00
5	C. B. Fenton & Co .....	Recasting rollers .....	18.75

Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Oct. 5	Andrew Renz	Sharpening knives	\$3.00
5	Royce & Marean	Electrical supplies	592.40
5	C. Witmer & Co.	Stove polish, etc.	33.00
5	F. A. Schneider	Photographic plates, etc.	13.80
5	J. H. Mills & Co.	Type	.75
5	Tschiffely & Evans	Glycerine, etc.	5.25
5	Wm. Ballantyne & Son	Books	10.00
5	Pay roll, Woods Holl, Mass.	Substation salaries, July 1 to Sept. 30	40.00
5	Pay roll, Wilmington, N. C.	do	48.00
5	do	do	128.80
5	Pay roll, Oswego, N. Y.	do	86.00
5	Pay roll, Jacksonville, Fla.	do	37.10
5	Charles Eneu Johnson & Co.	Ink	4.69
5	do	do	28.13
7	Pay roll, Savannah, Ga.	Substation salaries, July 1 to Sept. 30	285.40
7	Pay roll, New Haven, Conn.	do	76.50
7	Pay roll, Boston, Mass.	do	432.75
7	Tyree & Wilkins, attorneys	Office rent, Lynchburg, Va., July 1 to Sept. 30	67.50
7	R. S. Dodson	Office rent, Norfolk, Va., July 1 to Sept. 30	131.25
7	B. S. Pague	Expenses, Sept. 11 to 30	29.00
7	Julian P. Friez	Wind vanes	620.25
7	F. M. Brown & Co.	Office rent, New Haven, Conn., July 1 to Sept. 30	100.00
7	Portland Trust Co., of Oregon	Office rent, Portland, Oreg., July 1 to Sept. 30	150.00
7	S. Marks & Co.	Office rent, Roseburg, Oreg., July 1 to Sept. 30	75.50
7	Hanna S. Simmons	Office rent, Red Wing Minn., July 1 to Sept. 30	70.00
7	Melida Wilcke	Office rent, Manistee, Mich., July 1 to Oct. 9	61.69
7	C. M. Beeson	Office rent, Dodge City, Kans., July 1, to Sept. 30	97.91
7	Abbie S. Ingalls	Office rent, Indianapolis, Ind., July 1 to Sept. 30	90.95
9	W. W. Neifert	Traveling expenses, August	3.00
9	John Edwards	Services as cleaner, September	3.00
9	Thos. Robinson	Services, September	25.00
9	J. N. Ryke	Hauling	1.25
9	Troy Steam Laundry	Washing towels, July 1 to Sept. 30	1.50
9	Herman Drinkwater	Repairing United States telegraph line	20.00
9	B. H. Davis	Hire of team	3.00
9	Jennie Pritchett	Services as cleaner, September	3.00
9	R. J. Hyatt	Traveling expenses, September	11.25
9	Wm. A. Johnson	Services, July 1 to Sept. 30	30.00
9	Robert S. Smith	Repairing United States telegraph line	19.00
9	Cone & Kimball Co.	Office rent, Red Bluff, Colo., July 1 to Sept. 30	100.98
9	Catherine Wilson	Office rent, Los Angeles Cal., July 1 to Sept. 30	104.82
9	R. McLaughlin	Office rent, Jacksonville, Fla., July 1 to Sept. 30	78.05
9	E. F. Hallack	Office rent, Denver, Colo., July 1 to Sept. 30	150.00
9	Matt Borland	Office rent, Lander, Wyo., July 1 to Sept. 30	90.00
9	Paine Bros.	Office rent, Wallawalla, Wash., July 1 to Sept. 30	73.95
9	Davidson, Joseph agents	Office rent, Montgomery, Ala., July 1 to Sept. 30	81.25
9	H. H. Taylor, agent Mills building	Office rent, San Francisco, Cal., July 1 to Sept. 30	360.00
9	D. Horton	Office rent, Seattle, Wash., July 1 to Sept. 30	90.00
9	The Sedgwick Building Investment Co.	Office rent, Wichita, Kans., July 1 to Sept. 30	90.75
9	J. Pearson	Services, July 1 to Sept. 30	15.00
9	A. F. Kinsler	Washing towels, etc., July 1 to Sept. 30	5.50
9	Joseph Lawrence	Services, July 1 to Sept. 30	21.00
9	M. Cotter	Hire of team, etc.	40.45
9	Oregon Ice Company	Ice, July 1 to Sept. 30	6.90
9	Frank Burke	Expenses, September	29.00
10	H. Simpson	Construction of shed	25.00
10	J. H. Clune	Repairing roof, etc.	25.00
10	Wm. Downie	Painting instrument shelter, etc.	15.00
10	J. B. Murtha	Labor and material	40.00
10	Richard Titus	Services as cleaner, September	4.00
10	J. E. A. Harris	Services, July 1 to Sept. 30	15.00
10	City Gaslight Co. of Norfolk	Electric light, July 1 to Sept. 30	6.00
10	Edward Drinkwater	Coal, wood, etc.	107.25
10	W. S. Wells	Repairing roof, etc.	20.00
10	G. E. Lawton	Traveling expenses, Sept. 25	3.15



*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Oct. 10	A. Swanson & Son .....	Labor and material .....	\$8.75
10	John R. Brown .....	Repairing United States telegraph line .....	28.00
10	Geo. T. W. Wells .....	do. ....	28.00
10	John A. Rainy .....	do. ....	48.00
10	Frank Mulligan .....	do. ....	48.00
10	J. S. Sands .....	do. ....	48.00
10	William Wilson .....	do. ....	37.00
10	T. B. Catron .....	Office rent, Santa Fe, N. Mex., July 1 to Sept. 30. ....	105.00
10	Valentin Montoya .....	Services as cleaner, September .....	5.00
10	Grant Rivenburg .....	Ice, July 1 to Sept. 30. ....	6.85
10	Campbell & Gregg .....	Towel supply, July 1 to Sept. 30. ....	3.00
10	Will Van Duzer .....	Services, September .....	20.00
10	L. G. Nesmith .....	Office rent, San Diego, Cal., July 1 to Sept. 30. ....	120.00
10	Thomas Sweeney .....	Office rent, Rapid City, S. Dak., July 1 to Sept. 30. ....	100.76
10	Geo. French .....	Office rent, Corpus Christi, Tex., July 1 to Sept. 30. ....	86.37
10	F. E. Warren .....	Office rent, Cheyenne, Wyo., July 1 to Sept. 30. ....	91.90
10	Paul Wilson .....	Office rent, Pueblo, Colo., July 1 to Sept. 30. ....	84.00
10	American Exchange Bank .....	Office rent, Duluth, Minn., July 1 to Sept. 30. ....	114.47
10	Union Ice Co .....	Ice, July 1 to Sept. 30. ....	6.85
10	Julien P. Friez .....	Repairing anemometers, etc. ....	645.00
10	Pay roll, Narragansett Pier, R.I. ....	Substation salaries, July 1 to Sept. 30. ....	60.00
10	Pay roll, Louisville, Ky. ....	do. ....	18.40
10	Pay roll, St. Paul, Minn. ....	do. ....	53.33
10	Pay roll, Lynchburg, Va. ....	do. ....	30.00
10	United States Express Co. ....	Expressage, Aug. 12, etc. ....	5.35
10	J. Baumgarten & Sons .....	Ink .....	29.40
11	Rogers Printing Co .....	Tyewriter paper .....	90.00
11	Southern Bell Telephone and Telegraph Co. ....	Rent of telephone, July 1 to Sept. 30. ....	15.00
11	Savannah Board of Trade .....	Office rent, Savannah, Ga., July 1 to Sept. 30. ....	78.25
11	John L. Mitchell, executor .....	Office rent, Milwaukee, Wis., July 1 to Sept. 30. ....	163.75
11	A. P. Eagleston .....	Office rent, Vineyard Haven, Mass., July 1 to Sept. 30. ....	65.00
11	Chicago Auditorium Association. ....	Office rent, Chicago, Ill., July 1 to Sept. 30. ....	172.57
11	First National Bank of Moorhead. ....	Office rent, Moorhead, Minn., July 1 to Sept. 30. ....	66.31
11	Walker & Hall .....	Office rent, Meridian, Miss., July 1 to Sept. 30. ....	70.90
11	F. L. Jackson, agent .....	Office rent, Yankton, S. Dak., July 1 to Sept. 30. ....	75.00
11	James Baker .....	Office rent, Springfield, Mo., July 1 to Sept. 30. ....	68.75
11	Riley Watson .....	Office rent, Valentine, Nebr., July 1 to Sept. 30. ....	93.00
11	L. M. Apperson, administrator. ....	Office rent, Little Rock, Ark., July 1 to Sept. 30. ....	104.55
11	Margaret Parmentier .....	Office rent, Green Bay, Wis., July 1 to Sept. 30. ....	75.00
11	John and Wm. L. McCague .....	Office rent, Omaha, Nebr., July 1 to Sept. 30. ....	168.75
11	B. S. Williams .....	Office rent, Concordia, Kans., July 1 to Sept. 30. ....	66.00
11	H. Overholser .....	Office rent, Oklahoma City, Okla., July 1 to Sept. 30. ....	101.75
11	First National Bank of Bismarck. ....	Office rent, Bismarck, N. Dak., July 1 to Sept. 30. ....	105.00
11	H. H. Buhne .....	Office rent, Eureka, Cal., July 1 to Sept. 30. ....	72.41
11	Broadwater & Pepin .....	Office rent, Havre, Mont., July 1 to Sept. 30. ....	90.00
11	W. L., R. A. and E. H. Andres. ....	Office rent, Grand Haven, Mich., July 1 to Sept. 30. ....	59.32
11	First National Bank of Palestine. ....	Office rent, Palestine, Tex., July 1 to Sept. 30. ....	78.50
11	P. Laveaga, county treasurer. ....	Office rent, Winnemucca, Nev., July 1 to Sept. 30. ....	67.00
11	Kearney Opera House Co. ....	Office rent, Kearney, Nebr., July 1 to Sept. 30. ....	75.00
11	J. C. De Lany .....	Office rent, Fort Stanton, N. Mex., July 1 to Sept. 30. ....	120.00
11	P. M. De Witt .....	Office rent, Abilene, Tex., July 1 to Sept. 30. ....	100.62
11	Oregon Telephone and Telegraph Co. ....	Rent of telephone, July 1 to Sept. 30. ....	22.50
11	Southern Bell Telephone and Telegraph Co. ....	do. ....	15.00

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Oct. 11	Sunset Telephone and Telegraph Co.	Rent of telephone, July 1 to Sept. 30.....	\$15.00
11	Northwestern Telephone Exchange Co.	do .....	14.13
11	J. W. Thompson .....	do .....	15.00
11	Southern Bell Telephone and Telegraph Co.	Telephone service, July 1 to Sept. 30.....	15.00
11	City and Suburban Telegraph Association.	do .....	25.00
11	New York and Pennsylvania Telephone and Telegraph Co.	do .....	6.00
11	Southern New England Telephone Co.	do .....	15.00
11	Great Northwestern Telegraph Co.	Telegraphing, August .....	115.03
11	Great Southern Telephone and Telegraph Co.	Telephone service, July 1 to Sept. 30.....	25.00
11	Empire State Telephone and Telegraph Co.	do .....	28.50
11	Duluth Telephone Co.	do .....	15.00
11	Pacific Telephone and Telegraph Co.	do .....	22.50
11	Bell Telephone Co., of Philadelphia.	do .....	30.00
11	Black Hills Telephone and Telegraph Co.	do .....	21.00
11	E. S. Greeley and Co .....	Electrical supplies .....	154.90
11	Easton & Rupp .....	Envelopes .....	.95
11	F. H. Clarke .....	Traveling expenses, October .....	10.30
11	Tschiffely & Evans .....	Corks .....	2.13
11	Case, King & Woditzki .....	Brooms .....	.70
11	Norman B. Conger .....	Expenses, September .....	6.00
11	John H. Clery .....	Traveling expenses, September .....	10.25
11	Baltimore and Ohio R. R. Co .....	Transportation, H. J. Penrod, Aug. 29.....	6.50
12	Henry Siegel .....	Drayage .....	1.50
12	Lehigh Valley R. R. Co .....	Transportation, H. J. Penrod, Sept. 9 .....	11.20
12	W. L. Moore .....	Drayage .....	1.00
12	Bell Telephone Co., of Buffalo .....	Rent of telephone, July 1 to Sept. 30.....	17.50
12	Norfolk and Washington Steamboat Co.	Freight charges, Aug. 25 .....	4.12
12	Morris European and American Express Co.	Freight charges, July 6.....	7.50
12	Adams Express Co .....	Freight charges, August .....	14.80
12	Illwaco Railway and Navigation Co.	Freight charges, Aug. 23 .....	.24
12	Alfred C. Cass .....	Coal .....	75.00
12	Moss & Bentley .....	Mucilage and ink .....	1.70
12	W. J. Tate .....	Corn .....	12.00
12	Neuner & Co .....	Binding maps .....	12.50
12	John Fleming .....	Stereotyping paper .....	4.00
12	Megeath Stationery Co .....	Printing bulletins .....	8.00
12	Reservoir Ice Co .....	Ice, July 1 to Sept. 30 .....	6.00
12	P. Connor .....	Street-car tickets .....	2.60
12	J. W. Smith .....	Expressage .....	1.90
12	Pay roll, Shreveport, La .....	Substation salaries, July 1 to Sept. 30.....	27.20
12	Pay roll, Kansas City, Mo .....	do .....	35.25
12	E. J. Gifford .....	Services, July 1 to September 20.....	23.00
12	C. E. Denton .....	Repairing clock .....	2.00
12	J. V. Beyer .....	Cleaning carpet, etc. ....	11.32
12	Albert Marty .....	Office rent, Kansas City, Mo., July 1 to Sept. 30.....	169.49
12	Chamber of Commerce Building Co.	Office rent, St. Paul, Minn., July 1 to Sept. 30.....	75.21
12	Cotton Exchange Building Co.	Office rent, Memphis, Tenn, July 1 to Sept. 30.....	120.00
12	M. E. Conway .....	Office rent, Narragansett Pier, R. I., July 1 to Sept. 30.....	37.74
12	Weakley & Shields, agents .....	Office rent, Nashville, Tenn., July 1 to Sept. 30.....	112.50
12	Amarillo Improvement Co .....	Office rent, Amarillo, Tex., July 1 to Sept. 30.....	51.75
12	Alamo Fire Insurance Co .....	Office rent, San Antonio, Tex., July 1 to Sept. 30.....	75.00
12	Frances E. Lesslie .....	Office rent, Colorado Springs, Colo., July 1 to Sept. 30.....	75.00
12	Pennsylvania Telephone Co .....	Rent of telephone, July 1 to Sept. 30.....	21.00
12	Delaware and Atlantic Telegraph and Telephone Co.	do .....	12.00
12	Nebraska Telephone Co .....	do .....	15.00

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Oct. 12	Great Southern Telegraph and Telephone Co.	Rent of telephone, July 1 to Sept. 30.....	\$15.00
12	Chicago Telephone Co.....	do.....	31.25
12	Telephone and Telegraph Construction Co.....	do.....	21.68
12	Southern Bell Telephone and Telegraph Co.....	do.....	16.00
12	The Ohio Valley Telephone Co.....	do.....	18.00
12	East Tennessee Telephone Co..	Telephone exchange service, July 1 to Sept. 30.....	15.00
12	Missouri and Kansas Telephone Co.	do.....	12.00
12	Hudson River Telephone Co....	do.....	15.00
13	J. F. Trine.....	Hauling.....	2.50
13	D. B. Fotheringham.....	Erecting instrument support.....	15.00
13	Buffalo Board of Trade.....	Office rent, Buffalo, N. Y., July 1 to Sept. 30.....	145.06
13	New England Telephone and Telegraph Co.....	Rent of telephone, July 1 to Sept. 30.....	12.50
13	Northwestern Telephone Exchange Co.....	Telephone service, July 1 to Sept. 30.....	18.00
13	A. E. Thompson.....	Services, July 1 to Sept. 30.....	23.00
13	Pay roll, Memphis, Tenn.....	Substation salaries, July 1 to Sept. 30.....	289.80
13	Pay roll, Raleigh, N. C.....	do.....	111.90
13	Pay roll, St. Louis, Mo.....	do.....	237.50
13	Pay roll, Little Rock, Ark.....	do.....	204.60
13	W. S. Nichols.....	Provisions for Pike's Peak.....	304.01
18	Chesapeake, Ohio and Southwestern R. R. Co.....	Telegraphing, August.....	2.70
18	E. A. Clarke & Co.....	Office rent, Tampa, Fla., July 1 to Sept. 30.....	77.82
18	J. W. Branan.....	Services, July 1 to Sept. 30.....	15.00
18	Robert Sherrard.....	Services as cleaner, July 1 to Sept. 30.....	3.00
18	W. H. Wood.....	Office rent, Sacramento, Cal., July 1 to Sept. 30.....	75.00
18	Henry L. Kenyon.....	Desk room, Northfield, Vt., July 1 to Sept. 30.....	6.00
18	James Evans.....	Services as cleaner, July 1 to Sept. 30.....	9.00
18	Masonic Temple Association...	Office rent, Davenport, Iowa, July 1 to Sept. 30.....	75.00
18	W. T. Blythe.....	Traveling expenses, September.....	7.75
18	Geo. W. Williams.....	Office rent, Charleston, S. C., July 1 to Sept. 30.....	117.93
18	S. A. Raymond, agent.....	Office rent, Cleveland, Ohio, July 1 to Sept. 30.....	175.00
19	Pay roll, Chattanooga, Tenn.....	Substation salaries, July 1 to Sept. 30.....	100.80
19	Pay roll, Lacrosse, Wis.....	do.....	18.40
19	Pay roll, New Orleans, La.....	do.....	242.55
19	Pay roll, Augusta, Ga.....	do.....	162.60
19	Pay roll, Vicksburg, Miss.....	do.....	172.80
19	Pay roll, New Orleans, La.....	do.....	346.20
19	Pay roll, Montgomery, Ala.....	do.....	365.60
19	Pay roll, Washington, D. C.....	do.....	42.60
19	Salt Lake Board of Trade.....	Office rent, Salt Lake City, Utah, July 1 to Sept. 30.....	137.50
19	The Stock Growers' National Bank.....	Office rent, Miles City, Mont., July 1 to Sept. 30.....	54.00
19	Lucius M. Sheldon.....	Office rent, El Paso, Tex., July 1 to Sept. 30.....	84.42
19	Annie M. McGovern.....	Office rent, Keeler, Cal., July 1 to Sept. 30.....	85.91
19	Joseph A. Smith.....	Office rent, Idaho Falls, Idaho, September.....	30.00
19	Pythian Land and Building Association.....	Office rent, Astoria, Oreg., July 1 to Sept. 30.....	75.25
19	George S. Waite.....	Office rent, Key West, Fla., July 1 to Sept. 30.....	103.86
19	P. H. Seewald.....	Repairing clock.....	2.00
19	Henry J. Green.....	Thermometers.....	300.00
19	E. C. Easton.....	Drayage.....	2.25
19	McKellar, Smiths & Jordan Foundry.....	Counting machine.....	9.00
19	Chas. H. Mullin, treasurer.....	Chart paper.....	115.50
19	Charles Scribner Sons.....	Books.....	9.00
19	W. C. Shelton.....	Storage.....	1.50
19	Broadwater & Pepin.....	Ice, etc.....	9.95
19	Wm. J. Dornbrosky.....	Dotting pen.....	.50
19	H. A. Hill.....	Matches, oil.....	1.50
19	Kehse & Bradley.....	Labor and material.....	45.00
19	Memphis Light and Power Co.....	Electric current, September.....	6.24
19	Wm. E. Worth & Co.....	Ice, July 1 to Sept. 30.....	18.40
19	C. E. Brown.....	do.....	7.36
19	Astoria Gaslight Co.....	Gas, July 1 to Sept. 30.....	4.20
19	David James.....	Cleaning river gauge.....	3.00
19	Chas. T. Carter & Co.....	Soap, etc.....	63.00
19	Jno. R. Brown.....	Repairing United States telegraph line.....	22.00



Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Oct. 19	R. S. Smith.....	Repairing United States telegraph line....	\$13.00
19	Homer J. Hart.....	do.....	13.00
19	G. T. W. Wells.....	do.....	22.00
19	Frank Bianchi.....	Services as cleaner, July 1 to Sept. 30.....	9.00
19	James Higgins.....	do.....	15.00
19	J. R. Hawkins.....	do.....	4.50
19	Indian River Steamboat Co.....	Transportation, H. P. Hardin, Sept. 6.....	3.20
19	Pennsylvania R. R. Co.....	Transportation, J. W. Smith et al., Aug. 23.....	46.63
19	Chicago, St. Paul, Minneapolis and Omaha Rwy Co.	Transportation, P. Daniels, July 22.....	11.05
19	G. B. McCoy.....	Services, September.....	6.00
19	Great Southern Telephone and Telegraph Co.	Telegraphing, July 1 to Sept. 30.....	22.80
19	East Louisiana R. R. Co.....	do.....	9.20
19	Ocean Towboat Lines Telegraph.	Telegraphing, September.....	30.00
19	Lenoir and Blowing Rock Telegraph Co.	Telegraphing, July 1 to Sept. 30.....	6.80
19	Philadelphia, Reading and Pottsville Telegraph Co.	Telegraphing, September.....	7.91
19	Southern New England Telephone Co.	Rent of telephone, July 1 to Sept. 30.....	31.25
19	Cumberland Telephone and Telegraph Co.	Telegraphing, July 1 to Sept. 30.....	47.65
19	Telephone and Telegraph Construction Co.	do.....	10.00
19	Bell Telephone Co. of Missouri	Telephone service, July 1 to Sept. 30.....	16.25
19	Southern Bell Telephone and Telegraph Co.	Rent of telephone, July 1 to Sept. 30.....	15.00
19	Cleveland Telephone Co.....	do.....	18.00
19	Frank Perry.....	Telephoning, July 1 to Sept. 30.....	14.00
19	Wisconsin Telephone Co.....	Rent of telephone, July 1 to Sept. 30.....	12.00
19	Pay roll, Charleston, S. C.....	Substation salaries, July 1 to Sept. 30.....	258.80
19	Pay roll, Corpus Christi, Tex.....	do.....	69.00
19	Pay roll, Augusta, Ga.....	do.....	27.60
19	Pay roll, Portland, Me.....	do.....	75.00
19	Pay roll, Milwaukee, Wis.....	do.....	300.00
19	Pay roll, Cairo, Ill.....	do.....	226.60
19	Pacific Club.....	Office rent, Nantucket, Mass., July 1 to Sept. 30.....	76.50
19	Lorenzo Littlefield.....	Office rent, Block Island, R. I., July 1 to Sept. 30.....	42.50
19	First National Bank of Portland, Me.	Office rent, Portland, Me., July 1 to Sept. 30.....	126.00
19	A. E. Hackett.....	Traveling expenses, September and October.....	7.55
19	The Standard Engraving Co.....	Engraving.....	4.75
19	L. N. Jesunofsky.....	Hauling.....	1.45
19	McCormick & Bates.....	do.....	1.00
19	W. C. Stark.....	Grates for stove, etc.....	5.25
19	Charles C. Hayman.....	Services as cleaner, July 1 to Sept. 30.....	7.50
19	Samuel de Corse.....	do.....	14.25
19	New England Telephone and Telegraph Co.	Telephone service, July 1 to Sept. 30.....	12.50
19	do.....	do.....	12.50
19	C. E. Persons.....	Services, September.....	10.00
19	Chas. Shea.....	Services, July 1 to Sept. 30.....	30.00
19	H. J. Little.....	Services, Sept. 7 to 8.....	5.25
19	C. C. Allen.....	Services, Sept. 22 to 30.....	1.50
19	Amasa S. Dyer.....	Services, July 1 to Sept. 30.....	30.00
19	E. Biondi.....	do.....	30.00
19	J. N. Applebaugh.....	Services, September.....	36.00
19	John Fallon.....	Repairing United States telegraph line.....	50.00
19	C. D. Brockway.....	do.....	50.03
19	William H. H. Smith.....	do.....	6.00
19	James H. McCutchen.....	do.....	40.00
19	Oliver Lorenzen.....	do.....	13.00
19	M. W. Etheridge.....	Ferrying.....	7.00
20	Louisville and Nashville R. R. Co.	Transportation, H. C. Bate, Aug. 23.....	12.50
20	C. E. Haynes.....	Services as cleaner, July 1 to Sept. 30.....	15.00
20	Thos. Cleary.....	Ice, July 1 to Sept. 30.....	6.20
20	Ohio and Mississippi Rwy.....	Freight charges, Aug. 14.....	.67
20	James Courtney.....	Washing towels, July 1 to Sept. 30.....	5.25
20	E. McKenzie.....	Services, September.....	10.00
20	Thos. Cleary.....	Services as cleaner, July 1 to Sept. 30.....	9.00
20	E. Morrison Paper Co.....	Pens.....	41.00
20	C. B. Fenton & Co.....	Recasting rollers.....	31.25
20	F. T. Williams.....	Hauling.....	3.30
20	H. F. Alciatore.....	do.....	.30

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Oct. 20	Bohlen Huse Machine and Lake Ice Co.	Ice, July 1 to Sept. 30 .....	\$6.85
20	Homer J. Hart .....	Repairing United States telegraph line .....	38.00
20	J. R. Clinton .....	do .....	8.75
20	Charles Edwards .....	do .....	34.00
20	Charles A. Kimball .....	Services, July 1 to Sept. 30 .....	15.00
20	H. M. Knowles .....	Services, Aug. 18 to 26 .....	8.00
20	Charles R. Wheeler .....	Office rent, Columbus, Ohio, July 1 to Sept. 30 .....	125.00
20	Montana National Bank .....	Office rent, Helena, Mont., July 1 to Sept. 30 .....	125.00
20	Staples & Pelan .....	Office rent, Dubuque, Iowa, July 1 to Sept. 30 .....	57.12
20	National Bank of Commerce .....	Office rent, Pierre, S. Dak., July 1 to Sept. 30 .....	112.00
20	Pay roll, Erie, Pa .....	Substation salaries, July 1 to Sept. 30 .....	60.00
20	Pay roll, Harrisburg, Pa .....	do .....	99.50
20	Wisconsin Telephone Co .....	Rent of telephone, July 1 to Sept. 30 .....	25.00
20	Rising Sun Telegraph Line .....	Telegraphing, July 1 to Sept. 30 .....	4.10
20	New England Telephone and Telegraph Co. ....	Telegraphing, September .....	1.80
20	Great Southern Telephone and Telegraph Co. ....	Rent of telephone, July 1 to Sept. 30 .....	15.00
20	Natchitoches and People's Telegraph Line .....	Telegraphing, July 1 to Sept. 30 .....	45.00
20	Sunset Telephone and Telegraph Co. ....	Rent of telephone, July 1 to Sept. 30 .....	12.00
20	Atlantic Telephone Exchange .....	do .....	17.00
20	Southern Bell Telephone and Telegraph Co. ....	Telephone exchange service, July 1 to Sept. 30 .....	15.00
21	Pay roll, Cincinnati, Ohio .....	Substation salaries, July 1 to Sept. 30 .....	343.75
21	Pay roll, Pittsburg, Pa .....	do .....	435.85
21	Pay roll, Galveston, Tex .....	do .....	284.00
21	Bryant, McEachin & Luce .....	Office rent, Fort Smith, Ark., July 1 to Sept. 30 .....	90.41
21	Henry Bolton .....	Office rent, Alpena, Mich., July 1 to Sept. 30 .....	52.84
21	First National Bank .....	Office rent, Sault Ste. Marie, Mich., July 1 to Sept. 30 .....	85.75
21	Chas. Cooper & Co .....	Ammonia .....	5.50
21	People's Mammoth Inst. Co .....	Water cooler .....	2.00
21	F. T. Williams .....	Traveling expenses, September .....	5.24
21	Norman B. Conger .....	Traveling expenses, October .....	3.75
21	Julien P. Friez .....	Supports for electric recorder .....	18.75
21	R. B. Sarber .....	Services, July 1 to Aug. 31 .....	10.75
21	Old Colony Steamboat Co .....	Transportation, M. Wagner, Aug. 30 .....	4.15
25	J. M. Gallagher .....	Services, July 1 to Sept. 30 .....	15.00
25	George E. Franklin .....	Hauling, etc .....	.80
25	Harry A. Sayles .....	do .....	6.00
25	A. S. Aloe & Co .....	Repairing rain gauge .....	1.00
25	Manitou and Pikes Peak Rwy. Co. ....	Freight, etc .....	171.49
25	Louisville Towel Supply Co .....	Towels, etc., Aug. 1 to Sept. 30 .....	2.00
25	John L. Sheldon .....	Lining stove .....	2.50
25	Emmons Bros. Hardware Co .....	Carbon oil, etc .....	4.40
25	A. W. Stevens .....	Hauling .....	1.00
25	Anna L. Bean .....	Services, July 1 to Sept. 30 .....	9.20
25	Pacific Coast Steamship Co .....	Freightage .....	2.57
25	Thomas Roti .....	Services, Sept. 27 .....	3.50
25	D. J. Young .....	Rent of telephone, July 1 to Sept. 30 .....	9.75
25	W. H. Renear .....	Repairing United States telegraph line .....	20.60
25	Telephone and Telegraph Construction Co. ....	Rent of telephone, July 1 to Sept. 30 .....	9.46
25	A. Schneider .....	Office rent, Fort Buford, S. Dak., July 1 to Sept. 30 .....	45.00
25	Central Union Telegraph Co .....	Rent of telephone, July 1 to Sept. 30 .....	81.00
25	Missouri and Kansas Telephone Co. ....	Telephone exchange service, July 1 to Sept. 30 .....	18.00
25	W. R. Perry .....	Coal .....	56.00
25	George A. Barrett .....	Stove pipe .....	1.80
25	G. N. Isaacson .....	Removing trees .....	2.50
25	Yuma Water and Light Co .....	Water, July 1 to Sept. 30 .....	9.00
25	Ewing & Townsend .....	Ice, July 1 to Sept. 30 .....	18.40
25	Levy & Co .....	Oil, etc .....	8.50
25	Iowa Union Telephone Co .....	Rent of telephone, July 1 to Sept. 30 .....	12.00
25	Sol Benjamin, manager .....	Ice, July 1 to Sept. 30 .....	5.52
25	S. W. Postell .....	Printing .....	64.00
25	B. S. White .....	Repairing letterpress .....	2.50
25	Brown & Piper .....	Shovel, etc .....	.95
25	Leon J. Glaenzer & Co .....	Hygrometer sheets .....	5.60

Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Oct. 25	Elias H. Swett .....	Repairing United States telegraph line .....	\$1.50
25	R. M. Mansford, incorporated .....	Mucilage, etc. ....	9.30
25	C. Endress & Sons .....	Telephoning, July 1 to Sept. 30 .....	5.00
25	Pascual Moreno .....	Services as cleaner, July 1 to Sept. 30 .....	6.00
25	A. J. Robbins .....	Repairing United States telegraph line .....	2.50
25	Wm. T. Butz .....	Services, July 1 to Sept. 30 .....	7.70
25	Baumgartner & Kleig .....	Coal .....	18.00
25	Real Estate and Law Building Co. ....	Office rent, July 1 to Sept. 30 .....	45.49
25	Galveston Cotton Exchange .....	do .....	78.25
25	Southwestern Telegraph and Telephone Co. ....	Telephone exchange service, July 1 to Sept. 30 .....	12.00
25	Geo. Rynaal, jr. ....	Lamp chimneys .....	3.50
25	Samuel Springmann .....	Drayage .....	10.27
25	J. C. Entwistle .....	Engraving .....	10.00
28	Wm. Ballantyne & Sons .....	Paper .....	119.00
28	J. D. Free .....	Milliographs .....	24.00
28	Geo. Rynaal, jr. ....	Brushes .....	3.75
31	L. Winters et al. ....	Printing office roll for October .....	1,911.40
31	Laura F. Hawkins .....	Salary for October .....	84.20
31	Frank Farish .....	do .....	83.20
Nov. 2	L. G. Gardiner .....	Traveling expenses, September .....	3.00
2	Charles Kurth .....	Repairing wind vane .....	5.00
2	H. C. Frankenfield .....	Washing towels, July 1 to Sept. 30 .....	3.50
2	White & Dodson .....	Awning hooks .....	8.58
2	C. D. Sawyers .....	Coal and wood .....	30.50
2	Wetmore & Gladmin .....	Ice, Aug. 1 to Oct. 17 .....	17.60
2	Pittsboro Telegraph Line .....	Telegraphing, July 1 to Sept. 30 .....	8.00
2	S. F. Typewriter Exchange .....	Repairing typewriter .....	10.00
2	Strickland Printing Co. ....	Printing bulletins .....	11.00
2	Milbridge and Cherryfield Telegraph Co. ....	Telegraphing, Aug. 1 to Sept. 30 .....	2.90
2	Park Morrill .....	Repairing cyclostyle pen .....	5.05
2	T. W. Howell .....	Construction of river gauge .....	25.00
2	C. L. Babcock .....	Repairing stove .....	3.50
2	A. Schenck .....	Painting river gauge .....	2.50
2	E. H. Day .....	Repairing office clocks .....	3.00
2	R. A. Negus .....	Stovepipe .....	3.75
2	J. A. Lewis .....	Repairing fence .....	15.00
2	C. T. Shuler .....	Repairing river gauge .....	8.00
2	Philadelphia and Reading R. R. Co. ....	Transportation, W. T. Blythe, Sept. 28 .....	1.25
2	Central R. R. Co. of New Jersey .....	Transportation, B. A. Blundon, Sept. 8 .....	6.50
2	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co. ....	Telegraphing, September .....	14.19
2	Anchor Line .....	Freightage .....	2.90
2	Leon J. Glaenger & Co. ....	Barographs, etc. ....	682.50
2	Boston and Maine R. R. Co. ....	Freightage .....	1.23
2	S. W. Postell .....	Printing bulletins .....	16.50
2	E. F. Gordon .....	Repairing clock .....	1.25
2	J. C. Palmountain .....	do .....	1.50
2	Pay roll, Davenport, Iowa .....	Substation salaries, July 1 to Sept. 30 .....	35.00
2	Pay roll, Nashville, Tenn. ....	do .....	39.80
2	Pay roll, Chicago, Ill. ....	do .....	270.52
3	The Edison Mutual Telegraph Co. ....	Telegraphing, September .....	13.80
3	Erie Telegraph and Telephone Co. ....	Telephone exchange service, July 1 to Sept. 30 .....	12.00
3	John C. Parker .....	Penholders .....	10.63
3	The Standard Engraving Co. ....	Stereotyping, etc. ....	23.80
3	Wm. Ballantyne & Sons .....	Stationery .....	151.00
3	Northern Pacific R. R. Co. ....	Transportation, H. C. Bate, Aug. 25 .....	22.10
3	A. J. Schenck .....	Telegraphing, July 1 to Sept. 30 .....	7.41
3	Old Colony R. R. Co. ....	Freightage .....	.90
3	Boston and Albany R. R. Co. ....	Transportation, H. J. Penrod, Sept. 6 .....	10.65
3	Missouri and Kansas Telephone Co. ....	Rent of telephone, July 1 to Sept. 30 .....	21.00
3	R. J. Hyatt .....	Drayage .....	1.50
3	T. S. Outram .....	do .....	.50
3	Chas. Hubbardson & Co. ....	Varnish, etc. ....	3.43
3	Pennsylvania Co. ....	Transportation, F. J. Randolph, July 29 .....	17.50
3	Stoddard and Daniels .....	Repairs to typewriter .....	1.25
3	J. C. Cammer .....	Services, July 19 to Oct. 18 .....	15.00
3	Martin Johnson .....	Erection of flagstaff .....	30.00
3	H. W. Johnson .....	Erecting wind vane .....	6.00
6	The Standard Engraving Co. ....	Engraving .....	9.30
6	Wm. Ballantyne & Sons .....	Paper .....	144.02
6	John C. Parker .....	Stationery .....	1,230.50
6	Royce & Marean .....	Rubber .....	1.80
6	Frank Burke .....	Lodging and meals, October .....	46.50



Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Nov. 6	F. H. Clarke .....	Lodging and meals, October .....	\$41.25
6	O. D. Stewart .....	Traveling expenses, October .....	2.00
6	do .....	do .....	3.45
6	R. J. Hyatt .....	Meals and lodging, October .....	45.00
6	H. H. Kimball .....	Traveling expenses, October .....	8.25
7	Brown Printing Co. ....	Printing bulletins .....	4.00
7	do .....	do .....	3.00
7	John Ryan Foundry .....	Type .....	52.76
7	Rome, Watertown and Ogdens- burg R. R. ....	Transportation, N. R. Taylor, Sept. 16 ..	2.30
7	J. E. Lanouette .....	Erecting wind vane .....	4.35
7	L. Hines .....	Services July 1 to Sept. 30 .....	9.20
7	W. B. Stockman .....	Drayage, etc .....	4.40
7	Ray & Day .....	Repairing tin roof .....	2.33
7	F. P. Miller .....	Filing case, etc .....	22.00
7	G. L. Turner .....	Hauling .....	1.00
7	P. J. Brunker, jr .....	Repairing caligraph .....	3.50
7	A. A. Day .....	Repairing telegraph line .....	9.50
7	C. F. Gregor .....	Services as cleaner, October .....	5.00
7	J. R. Clinton .....	Repairing United States telegraph line ..	97.50
7	Thos. Roti .....	do .....	197.00
7	W. J. Tate .....	Feed .....	26.25
7	W. S. Gosnell .....	Services as cleaner, October .....	5.00
7	W. M. Case .....	Services for October .....	40.00
7	John J. Veeder .....	Repairing United States telegraph line ..	3.00
7	G. T. Reidy .....	Ice, etc. ....	16.60
7	John Edwards .....	Services as cleaner, October .....	3.00
7	B. S. Pague .....	Meals and lodging, October .....	41.17
7	John C. Parker .....	Envelopes .....	31.00
7	F. T. Williams .....	Traveling expenses, September .....	21.20
7	W. L. Moore .....	Drayage .....	1.50
7	L. M. Pindell .....	do .....	2.25
7	J. W. Bauer .....	Traveling expenses, October .....	12.05
7	A. E. Hackett .....	do .....	4.50
7	Benjamin P. Nickerson .....	Erecting telegraph poles .....	112.50
8	Wyoming Midland Telegraph Co. ....	Telegraphing, September .....	13.35
8	Great Northwestern Tele- graph Co. of Canada. ....	do .....	118.59
8	Telephone and Telegraph Con- struction Co. ....	Rent of telephone Aug. 21 to Sept. 30 ..	5.42
8	Central District and Printing Telegraph Co. ....	Telephone exchange service, July 1 to Sep 30. ....	15.00
8	do .....	do .....	12.50
8	Russell & Irwin .....	Labor and material .....	2.50
8	R. A. Johnson .....	Ice, Sept. 1 to Oct. 31 .....	6.10
8	Union Ice Co .....	Ice, July 1 to Sept. 30 .....	3.00
8	Kohler Manufacturing Co. ....	Ink .....	640.20
8	Brush Electric Light and Power Co. ....	Electric lights, July 1 to Sept. 30 .....	13.75
8	H. H. Stafford, Son & Co .....	Mucilage and ink .....	4.50
8	T. W. McClelland Co. ....	Halyard for flagstaff .....	5.25
8	A. C. McMillin .....	Services, July 1 to Sept. 30 .....	30.00
8	Erastus Huntington .....	Services, September .....	5.00
8	W. T. Nicholson .....	Binding maps .....	2.50
8	Elias Mason .....	Collecting bulletin frames, etc .....	2.00
8	Eugene M. Walters .....	Hauling .....	11.25
8	Geo. W. Summerfield .....	do .....	.75
8	W. M. Wilson .....	do .....	3.25
8	John Schlottman .....	do .....	1.50
8	Richard Titus .....	Services as cleaner, October .....	4.00
8	Haley Grocery Co. ....	Provisions for Tatoosh Island, Wash. ....	21.33
8	John M. Temple .....	Mucilage, ink, etc. ....	3.04
8	Vernon H. Harris .....	Office rent, Micco, Fla., July 1 to Sept. 30 ..	16.25
8	Atlantic Coast Line .....	Transportation, F. P. Choffee, Sept. 10 ..	11.95
8	Michigan Central R. R. Co .....	Transportation, J. H. Clery, Sept. 29 .....	12.15
8	E. Drinkwater .....	Freight charges, Sept. 12 .....	21.04
8	Pennsylvania R. R. Co .....	Freight charges, Oct. 3 .....	.98
8	Vandalia Line .....	Freight charges, Aug. 25 .....	7.47
8	Star Union Line .....	Freight charges, Oct. 3 .....	.62
8	do .....	Freight charges, Aug. 29 .....	3.10
8	do .....	Freight charges, Sept. 7 .....	3.13
8	Northeastern R. R. Co .....	Freight charges, Sept. 29 .....	2.25
8	New York Central and Hudson River R. R. Co. ....	Freight charges, Aug. 25 .....	1.69
8	Chicago and West Michigan Rwy. Co. ....	Freight charges, Sept. 14 .....	2.44
8	Fremont, Elkhorn and Missouri Valley R. R. Co. ....	Freight charges, Aug. 8 .....	1.93
8	Anchor Line .....	Freight charges, Sept. 1 .....	2.06

Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Nov. 8	Ohio and Mississippi Rwy .....	Freight charges, Aug. 17 .....	\$21.00
8	Chicago and Northwestern Rwy. Co.	Freight charges, Aug. 2 .....	.12
11	John C. Parker .....	Blank books, etc .....	135.50
11	J. C. Entwistle .....	White rags .....	8.00
14	P. Connor .....	Street car tickets .....	2.60
14	Pay roll, Atlanta, Ga .....	Substation salaries, July 1 to Sept. 30 .....	390.20
14	T. J. Tillett .....	Repairing United States telegraph line .....	14.00
14	T. S. Outram .....	Traveling expenses, October .....	2.25
14	Jas. A. Barry .....	Hauling, etc .....	4.02
14	R. O. Lazenby .....	do .....	1.00
14	Normon B. Conger .....	Traveling expenses, October .....	28.54
14	Thos. Robinson .....	Services, October .....	25.00
14	John J. Mulligan .....	Labor and material .....	2.50
14	Mary V. E. Pritchett .....	Services as cleaner, October .....	3.00
14	John H. Clery .....	Traveling expenses, October .....	11.40
14	J. N. Applebaugh .....	Services, October .....	36.00
14	J. A. Topping .....	Printing bulletins .....	56.00
14	Will Van Duzer .....	Services, October .....	20.00
14	Memphis Light and Power Co. ....	Electric current, October .....	6.58
14	Toilet Supply Co .....	Toilet service, October .....	1.50
14	Frank Burke .....	Meals and lodging, November .....	5.63
14	Joseph A. Smith .....	Office rent, Idaho Falls, Idaho, October .....	30.00
17	A. Schneider .....	Office rent, Fort Buford, N. Dak., October .....	15.00
17	Emma Ling .....	Services as cleaner, Sept. 1 to Oct. 31 .....	10.00
17	Robert Sherrard .....	Services as cleaner, October .....	3.00
17	Elizabeth H. Hobbs .....	do .....	9.00
17	Valentine Montoya .....	do .....	5.00
17	Herman Baumgarten .....	Aniline ink .....	24.00
17	A. M. Schweich .....	Hauling .....	.50
17	D. W. Morse .....	Mineral oil .....	4.50
17	C. D. Brockway .....	Wood .....	24.00
17	C. W. Ling .....	Repairing office chair, etc .....	1.00
17	Joseph T. Perry .....	Repairing roof .....	5.00
17	Samuel B. Smith .....	Repairing instrument shelter .....	5.65
17	Edward J. Cottle .....	Hardware .....	4.85
17	C. E. Schneider .....	Battery stand .....	20.00
17	Isaac W. Brewer .....	Traveling expenses, November .....	2.00
17	Wm. Cameron .....	Buckets, etc .....	1.80
17	Math. Ribyn .....	Labor and material .....	15.00
17	George Hill .....	Painting .....	5.00
17	John A. Ubsdell .....	Labor and material .....	18.41
17	H. B. Dick .....	Traveling expenses, October .....	46.75
17	W. H. Gaskins .....	Repairing United States telegraph line .....	2.00
17	Chesapeake & Ohio Railway Co. ....	Transportation, F. Burke, Sept. 7 .....	16.00
17	International & Great Northern R. R. Co.	Transportation, M. Wright et al., Sept. 15 .....	10.40
17	Henry Gaze & Sons .....	Transportation, M. W. Harrington, Oct. 26 .....	30.60
17	The Montrose Furniture Co. ....	Hauling .....	42.00
17	Ocean Tow Boat Lines Telegraph Co.	Telegraphing, October .....	30.00
17	A. Rice .....	Services, October .....	7.75
17	H. H. Lawes .....	do .....	20.00
18	William Frizzell .....	Coal and wood .....	73.25
18	W. C. Sheldon .....	Storage of crane .....	e. 50
18	M. E. Mulloy .....	Lumber, etc .....	5.50
18	Girling & Richards .....	Frames .....	4.50
18	J. C. Palmer .....	Repairing bookcase .....	8.00
18	Cincinnati, New Orleans & Texas Pacific Rwy. Co.	Transportation, R. J. Hyatt, Sept. 29 .....	27.50
18	New York, New Haven & Hartford R. R. Co.	Transportation, J. W. Smith et al., Aug. 22 .....	17.25
18	Detroit & Cleveland Steam Navigation Co.	Transportation, H. H. C. Dunwoody, Oct. 12 .....	4.75
18	The Cleveland, Cincinnati & Chicago, St. Louis Rwy. Co.	Transportation, E. H. Emery, Sept. 2 .....	9.75
18	John C. Parker .....	Envelopes .....	27.50
18	do .....	do .....	50.20
18	Mark W. Harrington .....	Traveling expenses, November .....	72.73
20	East Tennessee, Virginia & Georgia Rwy. Co.	Transportation, H. Pennywitt, Oct. 8 .....	18.05
20	Indian River Steamboat Co .....	Transportation, H. B. Dick, Oct. 23 .....	3.20
20	Thos. J. Conry .....	Hauling .....	9.73
20	O. D. Stewart .....	do .....	1.00
20	J. B. Palsgrove .....	do .....	10.00
20	Charles A. Hoitt & Co .....	do .....	10.00
20	Cleveland Electric Railway Co.	Street-car tickets .....	9.00
20	J. S. Beach .....	Joints of stovepipe .....	2.40
20	D. C. Hibbard .....	Repairing United States telegraph line .....	3.75
20	Homer J. Hart .....	do .....	9.00

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Nov. 20	Pay roll, Mobile, Ala.....	Substation salaries, July 1 to Sept. 30 .....	\$192.20
20	E. J. Gifford.....	Services, October.....	7.75
20	G. B. McCoy.....	Telegraphing, October.....	6.00
20	H. L. Ball.....	Traveling expenses, November.....	4.30
20	F. T. Williams.....	do.....	5.00
20	P. J. Bolton.....	do.....	2.75
20	H. C. Bate.....	Traveling expenses, October.....	100.60
21	Northern Central Rwy. Co.....	Freight charges, Oct. 5.....	1.93
21	Columbus, Hocking Valley and Toledo Rwy. Co.....	Freight charges, Sept. 28.....	1.66
21	Rome, Watertown and Ogdensburg R. R.....	Freight charges, Sept. 22.....	1.42
21	Virginia and Truckee R. R. Co.....	Freight charges, Aug. 22.....	.83
21	Steamer Humboldt.....	Freight charges, Sept. 7.....	1.50
21	Chicago and West Michigan Rwy. Co.....	Freight charges, Sept. 16.....	.93
21	Johnson & Casservan.....	Freight charges, Sept. 2.....	.25
21	Detroit and Cleveland Steam Navigation Co.....	Freight charges, Aug. 23.....	2.84
21	Northeastern R. R. Co.....	Freight charges, Oct. 14.....	3.22
21	Illwaco Railway and Navigation Co.....	Freight charges, Oct. 27.....	.25
21	Edward Drinkwater.....	Freight charges, Sept. 13.....	10.00
21	Oregon Transfer Co.....	Drayage.....	2.50
21	Samuel Springman.....	do.....	11.95
21	Andrew Renz.....	Sharpening knives.....	3.00
21	Charles Becker.....	Turpentine.....	2.10
21	O. D. Stewart.....	Mucilage, ink, etc.....	2.15
21	Rafael Junguera.....	Services of observers, July 15 to Oct. 14.....	139.00
21	E. H. Nemmo.....	Traveling expenses, Nov. 8.....	4.25
21	P. Connor.....	Traveling expenses, Nov. 1.....	10.00
21	S. P. Graham.....	Traveling expenses, Nov. 7.....	4.50
21	Charleston and Savannah Rwy. Co.....	Transportation, G. S. Jones, Sept. 11.....	32.90
22	G. H. Willson.....	Drayage.....	1.45
22	Geo. M. Chappel.....	do.....	1.25
22	M. J. Wright, jr.....	do.....	.60
22	W. McDonald.....	Repairing United States telegraph line.....	3.00
22	Wiard Bros.....	Repairing clock.....	1.25
22	Geo. A. Arwin.....	Moving instrument shelter.....	1.00
22	John Schenck.....	Instrument stand.....	2.75
22	John Englehard.....	Repairing map frame.....	.25
22	W. G. Gilder.....	Alarm clock.....	1.50
22	Broadwater & Pepin.....	Lamp chimneys, etc.....	1.90
22	J. C. Entwistle.....	Engraving.....	5.00
22	Sunset Telephone and Telegraph Co.....	Rent of telephone, Aug. 1 to Sept. 30.....	10.00
23	J. E. Lanouette.....	Repairing United States telegraph line.....	14.80
23	J. W. Smith.....	Traveling expenses, August.....	111.22
23	do.....	Traveling expenses, October.....	74.65
23	Henry D. Stewart.....	do.....	4.75
23	Thomas Roti.....	Repairing United States telegraph line.....	21.00
23	do.....	do.....	95.00
23	Frederik Hausson.....	do.....	7.50
23	Charles de Corse.....	Wood.....	16.00
23	P. J. Cahill.....	Traveling expenses, October.....	8.45
23	The Friedenwald Co.....	Maps.....	1,812.50
23	Lewis R. Dey.....	Roller for map outfit.....	6.75
23	T. H. Owings.....	Traveling expenses, November.....	4.50
23	Pennsylvania R. R. Co.....	Transportation, C. B. Tuch et al, Oct. 21.....	32.50
23	J. B. Grady.....	Office rent, Eastport, Me., July 1 to Oct. 23.....	132.13
23	Joseph Chilberg.....	Office rent, Olympia, Wash., October.....	26.50
23	Wyoming Midland Telegraph Co.....	Transmitting cipher reports, October.....	13.85
23	Western Union Telegraph Co.....	Telegraphing, July.....	10,154.23
24	C. H. Mallory & Co.....	Freight charges, Aug. 26.....	.90
24	H. W. Scott.....	Lettering office doors.....	3.50
24	W. M. Richards.....	Moving office furniture.....	20.00
24	Armstrong & Bros.....	Painting bulletin board.....	2.00
24	Asker Carlson.....	Repairing sofa.....	2.00
24	J. H. Means.....	Drayage.....	2.00
24	J. B. Marbury.....	Hauling.....	2.00
24	C. H. Boos.....	Table.....	2.00
24	R. N. Getty.....	Stove, etc.....	17.00
24	R. T. Smith.....	Wood.....	25.00
24	W. F. McCarley.....	Services, Oct. 1 to 28.....	5.60
24	Annie A. McGovern.....	Office rent, Keeler, Cal., October.....	28.63
24	A. F. Spreen.....	Graduating river gauge, etc.....	10.00
24	Philadelphia, Reading and Pottsville Telegraph Co.....	Telegraphing, October.....	5.90



# 114 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Nov. 24	John C. Parker .....	Pasteboard tubes .....	\$10.50
24	H. W. Hinkle .....	Packing boxes .....	177.95
24	S. P. Gresham .....	Hauling .....	.98
24	New England Telephone and Telegraph Co. ....	Rent of telephone, Oct. 1 to Nov. 10 .....	5.56
30	Laura F. Hawkins .....	Services, November .....	81.60
30	L. Winters et al .....	Printing-office roll for November .....	1,960.60
Dec. 1	Great Northwestern Telegraph Co. of Canada. ....	Telegraphing, October .....	117.03
1	D. T. Flannery .....	Drayage .....	3.50
1	H. F. Alceatore .....	do .....	3.25
1	E. M. Piper .....	Painting .....	5.00
1	J. N. Coffin .....	Moving instruments .....	120.00
1	J. W. Bauer .....	Traveling expenses, November .....	6.25
1	Frank P. Chaffee .....	do .....	7.75
1	Chas. M. Stoever .....	Paper .....	36.40
1	Geo. H. Hornby .....	Repairing barometer box .....	1.50
1	John Edwards .....	Services as cleaner, November .....	3.00
1	Joseph Chulberg .....	Office rent, Olympia, Wash., November .....	26.50
1	W. M. Case .....	Services, November .....	40.00
1	W. S. Gosnell .....	Services as cleaner, November .....	5.00
1	E. L. Cummins .....	Services, October .....	6.20
1	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co. ....	Telegraphing, October .....	9.34
1	Old Colony Steamboat Co .....	Transportation, J. W. Smith, Oct. 26 .....	3.00
1	Geo. W. Knox Express .....	Drayage .....	11.80
1	J. H. Melton .....	Traveling expenses, November .....	5.20
1	James Kenecaly .....	do .....	7.25
1	Chicago, Burlington and North- ern R. R. Co. ....	Telegraphing, Sept. 1 to Oct. 31 .....	1.20
4	MacKellar, Smith & Jordan Foundry .....	Type .....	16.37
4	Hines & Miller .....	Constructing river gauge .....	258.60
4	J. W. Adams .....	Shelving .....	2.75
4	B. S. Pague .....	Traveling expenses, October .....	54.95
4	W. O. Henson .....	Services for October .....	6.20
4	J. C. Bramhall .....	Services for July .....	7.75
4	Baltimore and Ohio R. R. Co. ....	Transportation, W. T. Blythe, Sept. 28 .....	22.25
4	Boyd Transfer and Fuel Co .....	Drayage .....	2.75
4	New England Telephone and Telegraph Co. ....	Telegraphing, October .....	1.40
5	J. H. Harmon .....	Drayage .....	.50
5	O. D. Stewart .....	Meals and lodging, October .....	45.00
5	P. Connor .....	Meals and lodging, November .....	39.75
5	R. J. Hyatt .....	do .....	45.00
5	F. H. Clarke .....	do .....	45.00
5	H. H. C. Dunwoody .....	Traveling expenses, October .....	29.10
5	W. J. Tate .....	Oil .....	3.20
6	Royce & Marean .....	Binding posts .....	7.00
6	Thos. Robinson .....	Services for November .....	25.00
6	J. N. Applebaugh .....	do .....	36.00
6	Richard Titus .....	Services as cleaner, November .....	4.00
6	C. D. Goodsell .....	Painting, etc. ....	20.00
6	N. Rhine .....	Window shades, etc .....	7.50
6	F. Rees Woolford & Co .....	Oil, etc. ....	1.00
6	M. McDonald .....	Kindling wood .....	1.00
13	M. Howitz .....	Repairing chair .....	.50
13	F. B. Gilbert .....	Hardware .....	17.33
13	B. F. Hough .....	Matches, etc .....	.75
13	Saginaw, Bay City and Alpena steamers. ....	Freightage, Sept. 4 .....	3.04
13	Valley Rwy., C. C. Philpott, cashier. ....	Freightage, Sept. 28 .....	2.34
13	Northern Central Rwy. Co .....	Freightage, Sept. 26 .....	.75
13	Vandalia Line .....	Freightage, Sept. 1 .....	4.97
13	E. Drinkwater .....	Freightage, Oct. 9 .....	5.00
13	New Orleans, Fort Jackson and Grand Isle R. R. Co. ....	Freightage, Nov. 15 .....	1.75
13	Chicago, Burlington and Northern R. R. Co. ....	Freightage, Aug. 25 .....	1.28
13	H. Brown .....	Freightage, Sept. 23 .....	2.15
13	Carrie M. Frahn .....	Services, November .....	5.00
13	C. F. Gregor .....	Services as cleaner, November .....	5.00
13	T. D. Wooten .....	Repairing river gauge, etc .....	24.00
13	Julius Edwards .....	Removing rubbish .....	50.00
13	Mary V. E. Pritchett .....	Services as cleaner, November .....	3.00
13	New York Central and Hudson River R. R. Co. ....	Transportation, H. H. C. Dunwoody, Oct. 14 .....	11.20
13	St. Louis and San Francisco Rwy. Co. ....	Transportation, A. E. Hackett, Oct. 9 .....	14.20

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Dec. 13	J. H. Harmon .....	Express charges, etc .....	\$1.90
13	M. J. Adler .....	Brass tacks, etc .....	73.92
13	F. A. Tschiffely .....	Nitric acid .....	2.52
13	John C. Parker .....	Stationery .....	125.00
13	do .....	Twine, etc .....	4.20
13	The Standard Engraving Co .....	Engraving cuts, etc .....	16.50
13	James B. Lambie .....	Hardware .....	.75
13	Hugh Reilly .....	White lead, etc .....	3.56
13	do .....	Pane of glass .....	.35
13	J. B. Palsgrove .....	Transportation to Pike's Peak and return .....	10.00
13	Telephone and Telegraph Construction Co. ....	Electrical supplies .....	12.25
13	Levy & Co. ....	Stovepipe joints .....	4.45
13	Pay roll, Charleston, S. C. ....	Substation salaries, October and November .....	43.80
13	Pay roll, Savannah, Ga. ....	do .....	146.40
13	Pay roll, Wilmington, N. C. ....	do .....	85.40
13	J. M. Sherier .....	Traveling expenses, November .....	13.95
13	L. B. Midgett, jr .....	Ferrying .....	2.00
13	H. Drinkwater .....	Repairing United States telegraph line .....	10.00
13	B. F. Stowe .....	do .....	10.00
14	B. Wolf .....	Office rent, Montrose, Colo., October .....	25.00
14	James A. Murray .....	Drayage, etc .....	20.00
14	J. C. De Lany .....	Office rent, Fort Stanton, N. Mex., Oct. 1 to Nov. 30. ....	80.00
14	A. J. Mitchell .....	Protecting Government property .....	8.25
14	W. L. King .....	Stovepipe joints .....	3.00
14	Valentine Montoya .....	Services as cleaner, November .....	5.00
14	B. L. Waldron .....	Traveling expenses, November .....	1.50
14	H. A. McNally .....	do .....	4.25
14	H. E. Wilkinson .....	do .....	5.00
14	S. P. Langley, secretary Smithsonian Institution. ....	Transportation on exchanges, July 1 to Sept. 30. ....	30.50
14	C. B. Fenton & Co. ....	Printing-office supplies .....	22.00
14	Geo. Ryneal, jr .....	Benzine .....	.80
14	Gottlieb Spitzer .....	Rubber stamps .....	2.45
14	M. Silverberg & Co. ....	Gilt molding .....	6.00
16	Pay roll, New Orleans, La. ....	Substation salaries, October and November. ....	228.80
16	Pay roll, Atlanta, Ga. ....	do .....	101.80
16	Wilhelm Gronan .....	Meteorological symbols .....	4.42
16	Duluth, South Shore and Atlantic Rwy. ....	Transportation, N. B. Conger, Oct. 27 .....	14.75
16	The Wabash R. R. Co. ....	Transportation, N. B. Conger, Oct. 14 .....	46.32
16	Philadelphia, Reading and Pottsville Telegraph Co. ....	Telegraphing, November .....	6.30
16	Northern Pacific R. R. Co. ....	Transportation, H. C. Bate, Oct. 8, etc .....	10.85
16	Hannibal and St. Joseph R. R. Co. ....	Transportation, P. Connor, Nov. 1 .....	27.75
16	Great Northern Rwy. Co. ....	Transportation, H. C. Bate et al, Sept. 2, etc .....	50.56
16	Wyoming Midland Telegraph Co. ....	Telegraphing, November .....	14.90
16	Merchants and Miners' Transportation Co. ....	Freight charges, Sept. 27 .....	2.22
16	James P. Sherry .....	Traveling expenses, Nov. 22 .....	2.20
16	H. C. Bate .....	do .....	41.95
16	James Cameron .....	Repairing United States telegraph line .....	2.00
16	John J. Veeder .....	do .....	3.00
16	J. T. Brown .....	Moving office furniture .....	69.00
16	Jordan & Hedderich .....	do .....	5.00
16	Charles A. Kimball .....	Services, Oct. 1 to Dec. 5 .....	10.81
16	W. J. Gilger .....	Repairing lock .....	2.50
16	Lorick & Lowrance .....	Portable grate .....	3.25
16	W. C. Shelton .....	Storage for November .....	1.50
16	Julien P. Friez .....	Triple self-registers .....	250.00
16	Will Shulte .....	Hauling .....	.50
16	J. P. Slaughter .....	do .....	1.50
18	United States Express Co .....	Expressage, Oct. 14 .....	9.30
18	John C. Parker .....	Stationery .....	73.50
18	J. Edward Turton .....	Packing boxes, etc .....	38.00
18	The Standard Engraving Co. ....	Electrotype plates .....	2.79
18	Newman & Son .....	Cyclostyle pens .....	594.75
18	Arthur W. Robson .....	Drayage .....	2.50
18	Boston and Maine R. R. ....	Transportation, J. H. Milton, Nov. 18 .....	13.50
18	Telephone and Telegraph Construction Co. ....	Drayage, etc .....	.45
18	Toilet Supply Co. ....	Toilet service, November .....	1.50
18	T. W. McClelland Co. ....	Painting instrument shelter .....	7.00
18	F. L. Hall .....	Repairing United States telegraph line .....	3.50
18	P. N. Corroso .....	Services, etc., July 15 to Oct. 15 .....	151.00
18	J. E. Barker .....	Grinding blades of mailer .....	.75

# 116 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Dec. 18	A. B. Crane	Drayage	\$1.00
18	P. T. Jenkins	Traveling expenses, October	6.50
18	U. G. Purssell	Drayage, etc	1.70
18	Hinrichs Bros	Lantern	.85
18	Joseph C. Wilkinshaw	Drayage, etc	20.00
18	W. M. Belcher & Co.	Roller for caligraph	3.00
18	Lewis R. Dey	Roller for map shading outfit	6.00
18	Henry Harris	Repairing United States telegraph line	10.00
18	M. H. Etheridge	Ferrying	3.50
18	P. H. Smyth	Store, etc	6.50
18	The E. S. Greely & Co.	Platinum wire	.67
18	Will Van Duzer	Services, November	20.00
18	W. L. Moore	Drayage	.75
18	Joseph A. Smith	Office rent, Idaho Falls, Idaho, November	30.00
18	Harry A. Sayles	Glazing chart case	.75
18	J. W. Braid	Repairing drought	1.00
18	C. G. Merritt	Labor and material	21.00
18	Chas. A. Kinnamon	Services, Oct. 1 to Nov. 30	6.00
18	P. H. Etheridge	Erecting flagstaff, etc.	50.00
18	G. B. McCoy	Telegraphing, November	6.00
18	John H. Clery	Street-car tickets	2.50
18	Pay roll, Montgomery, Ala	Substation salaries, Oct. 1 to Nov. 30	73.20
18	Robt. Sherrard	Services as cleaner, November	3.00
18	Oregon Transfer Co.	Drayage	2.50
18	East Tennessee, Virginia and Georgia Rwy Co.	Freight charges, Oct. 3	2.08
18	Savannah, Florida and Western R. R. Co.	Freight charges, Oct. 11	5.73
18	E. Drinkwater	Freight charges, Oct. 13	6.92
18	Baltimore and Ohio R. R. Co.	Freight charges, July 20	1.60
18	Nashville, Chattanooga and St. Louis Rwy Co.	Freight charges, Sept. 29	3.99
18	International Steamboat Co.	Freight charges, Sept. 15	1.19
18	Thos. T. Conry	Drayage	7.91
18	Great Northern Rwy Co.	Freight charges, Aug. 16	1.23
18	do.	Freight charges, Aug. 21	3.42
18	Adams Express Co.	Expressage	19.23
19	W. H. Veerhoff	Bulletin frames	48.75
19	Samuel Springmann	Hauling	2.76
19	John J. Masterson	do	2.00
19	John C. Davis	Freight charges, Aug. 21	5.46
19	H. C. Lichtenberger	Frame and glass	2.25
19	John H. Evans	Repairing United States telegraph line	6.00
19	Lester Lewis	do	4.00
19	Guthrie & Ruark	Kerosene	8.10
21	Savannah, Florida, and Western Rwy Co.	Freight charges, Oct. 12	7.37
21	New York Central and Hudson River R. R. Co.	Freight charges, Sept. 23	.99
21	Anchor Line	Freight charges, Sept. 16	.93
21	Baltimore and Potomac R. R. Co.	Freight charges, Oct. 12	.69
21	Louisville and Nashville R. R. Co.	Transportation F. H. Clark et al, Oct. 2	31.65
21	Frank Burke	Traveling expenses, November	7.75
21	Geo. H. Hornby	Repairing stove	3.00
21	O. W. Morey	Repairing clock	1.50
21	Julien P. Friez	Repairing anemometers	460.00
21	Jos. Ridgeway, jr	Services, July 15 to Oct. 15	146.00
21	J. N. Ryker	Hauling	1.00
21	Park Morrill	Traveling expenses, December	5.75
21	W. H. Fallon	do	4.50
21	Erastus Huntington	Services, Oct. 1 to Dec. 15	12.42
21	S. L. Doshier	Traveling expenses, December	6.10
22	Robert Little	Hauling	1.50
22	G. B. Metzger	Wood	69.00
22	Brown & Piper	Repairing stove	4.50
22	J. E. Johnson	Hauling, etc	13.00
22	J. M. Hill & Co.	Repairing instrument shelter	6.00
22	Ossian C. Hicks	Packing typewriter	.75
22	E. J. Acker	Telegraph poles	1,740.00
22	E. Drinkwater	Hauling, etc	1,222.00
22	Minneapolis, St. Paul and Sault Ste. Marie Rwy Co.	Telegraphing, November	22.77
22	New England Telephone and Telegraph Co.	do	1.70
22	Herman Baumgarten	Rubber type	22.00
22	J. C. Entwistle	Engraving	5.00
28	Herman Baumgarten	Rubber logotypes	157.50
30	Mark W. Harrington	Traveling expenses, December	23.20



*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Dec. 30	Memphis Light and Power Co.	Electric current, November	\$7.84
30	W. J. Bridges	Services, Oct. 1 to Nov. 30	14.25
30	W. B. Gould	do	15.25
30	Thomas Roti	Services, Nov. 11 to 28	10.50
30	F. W. David	Repairing United States telegraph line	8.00
30	Seth J. Davis	do	6.00
30	Homer J. Hart	do	12.00
30	Samuel R. Snecal	do	2.00
30	J. B. Palsgrove	Transportation to Pikes Peak and return	10.00
30	Kauffman, Openheimer Co	Chairs	6.00
30	Jackson, O'Connell & Co.	Stovepipe, etc.	12.35
30	B. J. Wolff	Office rent, Montrose, Colo., Nov. 1 to 6	5.00
30	Laura F. Hawkins	Services, December	84.20
30	L. Winters et al	Printing office roll, December	1,993.40
	Total, second quarter		57,373.27
1894.			
Jan. 2	Broadwater & Pepin	Coal	69.00
2	A. J. Robbins	Wood	22.50
2	B. F. Alderman	Stove and fixtures	18.00
2	J. T. Harper	Coal, mucilage, ink, etc.	36.05
2	B. H. Bronson	Traveling expenses, December	4.50
2	S. E. Stronach	do	4.75
2	S. S. Bassler	Drayage, etc.	2.60
2	J. M. Cline	do	3.00
2	Joseph M. Geist	Repairing register clock	2.00
2	C. H. Clark	Repairing gas stove	2.25
2	W. H. Hamr on	Traveling expenses, November	3.90
2	J. Warren Smith	do	2.80
2	Baltimore & Ohio R. R. Co	Transportation O. D. Stuart, Oct. 31	8.00
2	Lakeshore and Michigan South- ern Rwy. Co.	Transportation T. H. Owings, Nov. 4	21.25
2	Pennsylvania Co	Transportation B. S. Pague, Sept. 7	17.50
2	do	Transportation H. M. Kimball, Oct. 24	17.50
2	Detroit, Grand Haven and Mil- waukee Rwy. Co.	Transportation N. B. Conger, Aug. 21	5.40
2	Jacksonville, Tampa and Key West Rwy. Co.	Transportation H. P. Hardin, Sept. 8	5.60
2	Pennsylvania R. R. Co	Transportation B. S. Pague et al, Novem- ber.	44.25
2	Virginia and Truckee R. R. Co.	Transportation P. T. Jenkins, Oct. 22	22.00
2	Chesapeake, Ohio and South- western Rwy. Co.	Telegraphing, Sept. 1 to Oct. 31	1.00
2	H. H. Rhear	Labor and material	2.50
2	E. R. Demail	Cleaning register clock	1.50
2	Queen & Co., incorporated	Thermometers	225.00
2	H. H. Taylor, agent	Office rent, San Francisco, Cal., Oct. 1 to Dec. 31	300.00
2	Chas. M. Stoever	Map paper	562.50
3	Chicago, Burlington and North- ern R. R. Co.	Telegraphing, November	.98
3	Chas. Becker	Turpentine	4.20
3	Newman & Son	Repairing typewriter	23.10
3	Hiestand, Warner & Co.	Kerosene	1.00
3	Lake Shore and Michigan Southern Rwy. Co.	Transportation, A. E. Hackett et al., Sept. 30.	15.90
3	Macon, Dublin and Savannah R. R. Co.	Transportation, P. Morrill, Dec. 4	3.24
3	Chicago, Milwaukee and St. Paul Rwy. Co.	Transportation, P. F. Lyons et al, Aug. 31	13.92
3	J. W. Harper	Freight charges, Oct. 11	6.57
3	Hannibal and St. Joseph R. R. Co.	Freight charges, Aug. 30	3.73
3	do	Freight charges, Sept. 8	3.36
3	Raleigh and Gaston R. R. Co.	Freight charges, Oct. 18	2.24
3	Johnson & Casseveran	Freight charges, Oct. 27	.25
3	Denver and Rio Grande R. R. Co.	Freight charges, Nov. 6	30.18
3	Northern Central Rwy. Co	Freight charges, Nov. 23	4.14
4	Henry A. Sayles	Repairing United States telegraph line	127.25
4	F. A. Schneider	File handles, etc.	3.80
4	Pay roll, Galveston, Tex.	Substation salaries, Oct. 1 to Nov. 30	182.00
4	Pay roll, Augusta, Ga.	do	109.40
4	Pay roll, Memphis, Tenn.	do	133.00
5	Puget Sound Cooperative Col- ony.	Office rent, Port Angeles, Wash., Oct. 1 to Dec. 31	59.00
5	Fresno Loan and Savings Bank.	Office rent, Fresno, Cal., Oct. 1 to Dec. 31	100.00
5	The Kearney Opera House Co.	Office rent, Kearney, Nebr., Oct. 1 to Dec. 31	75.00
5	Buffalo Board of Trade	Office rent, Buffalo, N. Y., Oct. 1 to Dec. 31	142.06

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Jan. 5	Walla Walla Lodge No. 56, I. O. O. F.	Office rent, North Platte, Nebr., Oct. 1 to Dec. 1.	\$84.87
5	First National Bank .....	Office rent, Sault Ste. Marie, Mich., Oct. 1 to Dec. 1.	85.75
5	The Sedgwick Building Investment Co.	Office rent, Wichita, Kans., Oct. 1, to Dec. 31.	90.75
5	The Columbian Building Co....	Office rent, Topeka, Kans., Oct. 1 to Dec. 31.	87.50
5	First National Bank, Bismarck.	Office rent, Bismarck, N. Dak., Oct. 1 to Dec. 31.	105.00
5	Paul Wilson .....	Office rent, Pueblo, Colo., Oct. 1 to Dec. 31.	84.00
5	William Crawford .....	Office rent, Pysht, Wash., Oct. 1 to Dec. 31.	30.00
5	Joseph Chilberg .....	Office rent, Olympia, Wash., Oct. 1 to Dec. 31.	26.50
5	Asher Marks Admins .....	Office rent, Roseburg, Oreg., Oct. 1 to Dec. 31.	75.50
5	Thomas Sweeney .....	Office rent, Rapid City, N. Dak., Oct. 1 to Dec. 31.	100.76
5	Catherine Wilson .....	Office rent, Los Angeles, Cal., Oct. 1 to Dec. 31.	104.82
5	Walker & Hall .....	Office rent, Meridian, Miss., Oct. 1 to Dec. 31.	70.00
5	Geo. French .....	Office rent, Corpus Christi, Tex., Oct. 1 to Dec. 31.	86.37
5	C. M. Beeson .....	Office rent, Dodge City, Kans., Oct. 1 to Dec. 31.	97.91
5	Matt Borland .....	Office rent, Lander, Wyo., Oct. 1 to Dec. 31.	90.00
5	Davidson & Joseph .....	Office rent, Montgomery, Ala., Oct. 1 to Dec. 31.	81.25
5	D. S. Hutchinson .....	Office rent, Titusville, Fla., Oct. 1 to Dec. 31.	85.74
5	Baer & Bloch .....	Office rent, Baker City, Oreg., Oct. 1 to Dec. 31.	87.50
5	E. H. Jamieson .....	Office rent, Spokane, Wash., Oct. 1 to Dec. 31.	64.20
5	P. M. VeVitt .....	Office rent, Abilene, Tex., Oct. 1 to Dec. 31.	100.62
5	Homer W. Styron .....	Office rent, Hatteras, N. C., Oct. 1 to Dec. 31.	38.62
5	R. McLaughlin .....	Office rent, Jacksonville, Fla., Oct. 1 to Dec. 31.	78.04
5	F. E. Warren .....	Office rent, Cheyenne, Wyo., Oct. 1 to Dec. 31.	91.90
5	Abbie S. Ingalls .....	Office rent, Indianapolis, Ind., Oct. 1 to Dec. 31.	90.95
5	Charles R. Wheeler .....	Office rent, Columbus, Ohio, Oct. 1 to Dec. 31.	125.00
5	W. H. Wood & Co. ....	Office rent, Sacramento, Cal., Oct. 1 to Dec. 31.	75.00
5	L. G. Nesmith .....	Office rent, San Diego, Cal., Oct. 1 to Dec. 31.	120.00
5	Vernon H. Harris .....	Office rent, Micco, Fla., Oct. 1 to Dec. 31.	16.25
5	A. P. Eagleston .....	Office rent, Vineyard Haven, Mass., Oct. 1 to Dec. 31.	65.00
5	P. Laveaga, county treasurer...	Office rent, Winnemuceo, Nev., Oct. 1 to Dec. 31.	67.00
8	Gulf, Colorado and Santa Fe Rwy. Co.	Transportation, B. L. Waldron, Nov. 11.	8.10
8	R. J. Hyatt .....	Traveling expenses, November	10.50
8	G. W. Pancoast .....	do	10.00
8	J. R. Williams .....	Drayage	.50
8	F. H. Clarke .....	Traveling expenses, December	12.75
8	L. N. Jesunofsky .....	do	18.13
11	H. P. Hardin .....	Traveling expenses, September	18.40
11	Henry J. Green .....	Brass supports, etc., for thermometers	37.50
11	The Manhattan Supply Co	Moistening appliances	27.00
11	D. A. Tower .....	Self-inking pads	3.20
11	Thos. H. McCollin & Co	Blue-print paper	2.50
11	Vernon H. Harris .....	Moving office furniture	1.00
11	L. D. Berry .....	Relettering map frames	16.80
11	John Roth .....	Recovering desk	1.50
11	J. H. McGarvey .....	Repairing plank walk, etc	23.00
11	D. Horton .....	Office rent, Seattle, Wash., Oct. 1 to Dec. 31.	90.00
11	Chas. E. Bryant, Rec. Alliance Building.	Office rent, Huron, S. Dak., Oct. 1 to Dec. 31.	78.25
11	W. M. Case .....	Services, December	40.00
11	Denver and Rio Grande R. R. Co.	Transportation, P. J. Bolton, Nov. 7.	13.55
11	International and Great Northern R. R. Co.	Transportation, H. C. Bate, Nov. 15	27.20
11	James B. Lambie .....	Hardware	7.90
11	Pay roll, Little Rock, Ark.	Substation salaries, Oct. 1 to Nov. 30.	130.00
11	Pay roll, Detroit, Mich.	Substation salaries, July 1 to Dec. 15	164.52
11	Pay roll, Jacksonville, Fla.	Substation salaries, Oct. 1 to Dec. 31	45.00

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Jan. 11	Pay roll, Savannah, Ga.	Substation salaries, Oct. 1 to Dec. 31.	\$36.00
11	Pay roll, New Haven, Conn.	do	76.50
11	Pay roll, Erie, Pa.	Substation salaries, Oct. 1 to Dec. 15.	49.68
11	Pay roll, Chicago, Ill.	Substation salaries, Oct. 1 to Dec. 31.	209.07
11	D. F. Gorrie.	Labor and material.	19.75
11	Lucius M. Sheldon, by Horace B. Stevens, attorney in fact.	Office rent, El Paso, Tex., Oct. 1 to Dec. 31.	84.42
11	Samuel Schultz & Son.	Rug.	1.25
11	Broadwater & Pepin.	Office rent, Havre, Mont., Oct. 1 to Dec. 31.	90.00
11	Emma Ling.	Services as cleaner, Nov. 1 to Dec. 31.	10.00
12	John Edwards.	Services as cleaner, December.	3.00
12	Robert G. Goffin.	Services as cleaner, Oct. 1 to Dec. 31.	9.00
12	Pascual Moreno.	do	6.00
12	Richard Titus.	Services as cleaner, December.	4.00
12	W. S. Gosnell.	do	5.00
12	C. F. Gregor.	do	5.00
12	Will Van Duzer.	Services, December.	20.00
12	C. L. Crocker.	Services, Sept. 1 to Dec. 31.	40.00
12	Faine Bros.	Office rent, Wallawalla, Wash., Oct. 1 to Dec. 31.	73.95
12	W. L., R. A. & E. H. Andres.	Office rent, Grand Haven, Mich., Oct. 1 to Dec. 31.	59.32
12	R. S. Dodson.	Office rent, Norfolk, Va., Oct. 1 to Dec. 31.	131.25
12	Tyree & Wilkins, attorneys.	Office rent, Lynchburg, Va., Oct. 1 to Dec. 31.	67.50
12	B. S. Williams.	Office rent, Concordia, Kans., Oct. 1 to Dec. 31.	66.00
12	Geo. Wood, treasurer Real Estate and Law Building Co.	Office rent, Atlantic City, N. J., Oct. 1 to Dec. 31.	45.49
12	Portland Trust Co. of Oregon.	Office rent, Portland, Oreg., Oct. 1 to Dec. 31.	150.00
12	Central Union Telegraph Co.	Rent of telephone and exchange service, Oct. 1 to Dec. 31.	81.00
12	The Bell Telephone Co. of Philadelphia.	Exchange service, Oct. 1 to Dec. 31.	30.00
12	The City and Suburban Telegraph Association.	Telephone exchange service, Oct. 1 to Dec. 31.	25.00
12	Great Northwestern Telegraph Co. of Canada.	Telegraphing, November.	118.76
12	Savannah, Florida and Western Rwy. Co.	Transportation, H. P. Hardin, Sept. 8.	20.40
12	The Wabash R. R. Co.	Transportation, H. A. McNally, Nov. 16.	17.35
12	G. T. Ennis.	Brass castings.	3.50
12	John M. Graham.	Erection, etc., of river gauge.	27.00
12	Julien P. Friez.	Triple self-register.	375.00
12	R. A. Jenkins.	Repairing river and snow gauge.	1.00
12	Chas. Cooper & Co.	Anhydrous ammonia.	4.75
12	Barker Bros.	Rug.	2.00
12	Julien P. Friez.	Repairing self-register.	96.25
12	W. C. Shelton.	Storage of crane.	1.25
12	Nash, Winslow & Co.	Benzine.	1.00
12	J. F. Thomson.	Removing flagpole, etc.	6.50
12	J. B. Palsgrove.	Transportation to Pikes Peak and return.	10.00
12	Joseph M. Geist.	Repairing clock.	2.00
12	Geo. E. Franklin.	Hauling, etc.	2.35
12	G. H. Wilson.	do	1.50
12	E. M. Ravenscroft.	do	1.00
12	A. H. White.	do	2.50
12	S. S. Bassler.	do	1.50
12	S. M. Blandford.	do	1.00
12	N. D. Lane.	do	.50
12	J. E. Lanouette.	do	2.00
12	Geo. T. Todd.	Hauling.	1.55
12	John C. Parker.	Envelopes.	86.25
12	J. P. Slaughter.	Express charges, etc.	1.80
12	B. S. Pague.	Lodging and meals, Nov. 14 to 30.	24.75
12	Postal Telegraph Cable Co.	Telegraphing, November.	4.62
12	H. B. Dick.	Traveling expenses, December.	32.30
12	F. T. Williams.	do	11.00
12	Marietta Abbey.	Bulletin frames.	70.00
12	N. & P. Telegraph Line.	Telegraphing cotton reports, Oct. 1 to Nov. 30.	30.00
12	East Tennessee R. R. Co.	Telegraphing, Oct. 1 to Nov. 30.	5.10
12	Boyd Transfer and Fuel Co.	Drayage.	1.25
12	M. Glennan, publisher of Virginian.	Advertising.	3.06
12	Wm. A. Johnson.	Services, Oct. 1 to Dec. 31.	30.00
12	Thos. C. Anthony.	Services, Oct. 6 to Dec. 5.	16.77
12	Pay roll, Milwaukee, Wis.	Substation salaries, Oct. 1 to Dec. 31.	245.53
12	Pay roll, Wilmington, N. C.	do	48.00
12	Carl V. McDaniel.	Services, Oct. 1 to Dec. 31.	9.20
12	Mary V. E. Fritchett.	Services as cleaner, December.	3.00



*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Jan. 13	F. M. Brown & Co.....	Office rent, New Haven, Conn., Oct. 1 to Dec. 31.	\$100.00
13	First National Bank of Moorhead.	Office rent, Moorhead, Minn., Oct. 1 to Dec. 31.	66.31
13	Francis E. Lesslie .....	Office rent, Colorado Springs, Colo., Oct. 1 to Dec. 31.	75.00
13	Margaret Parmentier.....	Office rent, Green Bay, Wis., Oct. 1 to Dec. 31.	75.00
13	T. B. Catron .....	Office rent, Santa Fe, N. Mex., Oct. 1 to Dec. 31.	105.00
13	John L. Mitchell, executor .....	Office rent, Milwaukee, Wis., Oct. 1 to Dec. 31.	163.15
13	Jno. L. McCague and Wm. L. McCague.	Office rent, Omaha, Nebr., Oct. 1 to Dec. 31.	168.75
13	American Exchange Bank.....	Office rent, Duluth, Minn., Oct. 1 to Dec. 31.	114.45
13	H. Overholser .....	Office rent, Oklahoma City, Okla., Oct. 1 to Dec. 31.	101.75
13	S. M. Apperson, administrator.	Office rent, Little Rock, Ark., Oct. 1 to Dec. 31.	104.55
13	Riley Watson.....	Office rent, Valentine, Nebr., Oct. 1 to Dec. 31.	93.00
13	James Baker.....	Office rent, Springfield, Mo., Oct. 1 to Dec. 31.	68.75
13	M. E. Conway .....	Office rent, Narragansett Pier, R. I., Oct. 1 to Dec. 31.	37.74
13	First National Bank of Palestine.	Office rent, Palestine, Tex., Oct. 1 to Dec. 31.	78.50
13	Western Reserve Building .....	Office rent, Cleveland, Ohio, Oct. 1 to Dec. 31.	175.00
13	The Savannah Board of Trade.....	Office rent, Savannah, Ga., Oct. 1 to Dec. 31.	78.25
13	Cotton Exchange Building Co.....	Office rent, Memphis, Tenn., Oct. 1 to Dec. 31.	120.00
13	Chamber of Commerce Building Co.	Office rent, St. Paul, Minn., Oct. 1 to Dec. 31.	75.21
13	Carrie M. Frahm .....	Services, Dec. 1 to 6 .....	.97
13	Joseph Lawrence .....	Services, Oct. 1 to Dec. 31 .....	21.00
13	Thos. Robinson .....	Services, December .....	25.00
13	J. N. Applebaugh .....	do .....	36.00
13	I. R. Hawkins .....	Services as cleaner, Oct. 1 to Dec. 31.....	4.50
13	Sam'l de Corse .....	do .....	14.25
13	Thos. Cleary .....	do .....	9.00
13	James Higgins .....	do .....	15.00
13	Valentin Montoya.....	Services as cleaner, December .....	5.00
13	The Fuchs and Lang Manufacturing Co.	Ruling machine .....	45.00
13	A. F. Kinzler .....	Washing towels, Oct. 1 to Dec. 31 .....	5.50
13	K. H. Hubbard .....	Repairing clock .....	1.50
13	J. B. Murtha .....	Erecting sunshine recorder .....	4.25
13	Troy Steam Laundry Co.....	Washing towels, Oct. 1 to Dec. 31 .....	1.50
13	Atlantic City Gas and Water Co.	Gas, Oct. 1 to Dec. 31, 1893 .....	12.75
13	G. B. McCoy .....	Telegraphing, December .....	6.00
13	Great Southern Telegraph and Telephone Co.	Telegraphing, Oct. 1 to Dec. 31 .....	21.60
13	John J. Veeder .....	Repairing United States telegraph line.....	8.00
13	do .....	do .....	7.00
13	E. E. Howes .....	do .....	3.00
13	do .....	do .....	4.50
13	H. M. Knowles .....	do .....	25.00
13	Pay roll, Woods Holl, Mass.....	Substation salaries, Oct. 1. to Dec. 31.....	60.00
13	Pay roll, Boston, Mass.....	do .....	432.75
13	Pay roll, Narragansett Pier, R. I.	do .....	60.00
13	O. D. Stewart .....	Meals and lodging, December .....	46.50
13	Hastings Steamboat Co.....	Freight charges, Aug. 29 .....	15.45
13	Atchison, Topeka and Santa Fe R. R. Co.	Freight charges, Aug. 30 .....	9.75
13	Baltimore and Ohio R. R. Co.....	Freight charges, July 22 .....	54.83
13	Charleston and Savannah Rwy. Co.	Freight charges, Oct. 18 .....	2.27
13	The Wabash R. R. Co.....	Freight charges, Oct. 19 .....	.39
13	Norfolk and Washington Steamboat Co.	Freight charges, Sept. 21 .....	22.81
13	E. A. Clarke & Co.....	Office rent, Tampa, Fla., Oct. 1 to Dec. 31.....	77.82
13	Staples & Pelan .....	Office rent, Dubuque, Iowa, Oct. 1 to Dec. 31.....	57.12
13	Geo. W. Williams .....	Office rent, Charleston, S. C., Oct. 1 to Dec. 31.....	117.93
13	Albert Marty .....	Office rent, Kansas City, Kans., Oct. 1 to Dec. 31.....	169.49
13	Masonic Temple Association.....	Office rent, Davenport, Iowa, Oct. 1 to Dec. 31.....	75.00

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Jan. 13	Chicago Auditorium Association.	Office rent, Chicago, Ill., Oct. 1 to Dec. 31.	\$172.57
13	Stock Growers' National Bank.	Office rent, Miles City, Mont., Oct. 1 to Dec. 31.	54.00
13	H. W. Blaisdell .....	Water furnished .....	9.00
13	Union Ice Co. ....	Ice furnished .....	6.75
13	George E. Curtis .....	Traveling expenses, December .....	9.50
13	H. E. Wilkinson .....	do .....	10.00
13	F. S. Hyde .....	Drayage .....	2.00
13	J. C. Piercy .....	Drayage, etc. ....	1.20
13	W. H. Garlock & Co. ....	Washing towels, July 1 to Dec. 31 .....	4.41
13	The Erie Telegraph and Telephone Co. ....	Telephone exchange service, Oct. 1 to Dec. 31.	12.00
13	Duluth Telephone Co. ....	do .....	15.00
13	The Enterprise Telegraph Co. ....	Telegraphing, Oct. 1 to Nov. 30 .....	3.10
13	Postal Telegraph Cable Co. ....	Transmitting cablegram, Nov. 3 .....	1.60
16	Pay roll, St. Paul, Minn. ....	Substation salaries, Oct. 1 to Dec. 31 .....	84.25
16	Pay roll, Charleston, S. C. ....	do .....	203.75
16	Pay roll, Lynchburg, Va. ....	do .....	54.20
16	Pay roll, Raleigh, N. C. ....	do .....	122.70
16	Pay roll, Nashville, Tenn. ....	do .....	26.05
16	Pay roll, Harrisburg, Pa. ....	do .....	84.00
16	Pay roll, Memphis, Tenn. ....	do .....	78.30
16	Pay roll, Vicksburg, Miss. ....	do .....	157.30
16	Pay roll, Cairo, Ill. ....	do .....	246.45
16	Pay roll, Louisville, Ky. ....	do .....	18.40
16	Pay roll, Chattanooga, Tenn. ....	do .....	127.05
16	James T. Sullivan .....	Erecting river gauge .....	10.00
16	J. J. England .....	do .....	5.00
16	J. P. Murray .....	do .....	5.00
16	The Woodrow Ryder Co. ....	Mucilage and ink .....	5.50
16	Henry L. Kenyon .....	Desk room, Northfield, Vt., Oct. 1 to Dec. 31.	6.00
16	W. L. Moore .....	Repairing lantern, etc. ....	.75
16	Salt Lake Board of Trade .....	Office rent, Salt Lake City, Utah, Oct. 1 to Dec. 31.	137.50
16	Henry Bolton .....	Office rent, Alpena, Mich., Oct. 1 to Dec. 31.	52.84
17	F. R. Beahan .....	Glass, etc. ....	1.15
17	Pacific Club .....	Office rent, Nantucket, Mass., Oct. 1 to Dec. 31.	76.50
17	Anna Faris .....	Washing towels, etc., Oct. 1 to Dec. 31 .....	5.25
17	C. E. Haynes .....	Services as cleaner, Oct. 1 to Dec. 31 .....	15.00
17	George Davis .....	Removing office records, etc. ....	2.00
17	Pay roll, St. Louis, Mo. ....	Substation salaries, Oct. 1 to Dec. 31 .....	197.00
17	Pay roll, Kansas City, Kans. ....	do .....	12.00
17	Montana National Bank .....	Office rent, Helena, Mont., Oct. 1 to Dec. 31.	125.00
17	Pythian Land and Building Association.	Office rent, Astoria, Oreg., Oct. 1 to Dec. 31.	75.25
17	Bryant, McEachin & Luce .....	Office rent, Fort Smith, Ark., Oct. 1 to Dec. 31.	90.41
17	F. L. Jackson, agent .....	Office rent, Yankton, N. Dak., Oct. 1 to Dec. 31.	75.00
17	Anna M. Grover .....	Office rent, Keeler, Cal., Oct. 1 to Dec. 31 .....	57.27
17	Central Railroad and Banking Co. of Georgia.	Transportation, P. Morrill, Dec. 2 .....	5.26
17	South Pacific Co. (Atlantic system).	Transportation, H. C. Bate, Nov. 9 and 12 .....	25.85
17	Chicago and Northwestern Rwy. Co. ....	Transportation, B. S. Pague, Nov. 5 and 7 .....	37.00
17	San Antonio and Aransas Pass Rwy. Co. ....	Transportation, B. L. Waldron, Dec. 14 .....	8.10
17	The Knickerbocker Ice Co. ....	Ice, Oct. 23 to Dec. 30 .....	3.78
17	J. B. Palsgrove .....	Transportation to Pikes Peak and return .....	10.00
17	J. S. Dotson .....	Painting, etc. ....	28.50
17	The Standard Engraving Co. ....	Logotypes .....	6.00
17	Herman Baumgarten .....	do .....	31.50
17	Robert Sherrard .....	Services as cleaner, December .....	3.00
17	Pay roll, Lacrosse, Wis. ....	Substation salaries, Oct. 1 to Dec. 31 .....	18.40
17	Pay roll, St. Louis, Mo. ....	do .....	23.00
17	Pay roll, Oswego, N. Y. ....	do .....	78.34
17	Pay roll, Portland, Oreg. ....	do .....	75.00
17	E. Bioudi .....	Services, salary Oct. 1 to Dec. 31 .....	30.00
17	A. J. Mulligan .....	do .....	22.35
17	J. W. Branan .....	do .....	15.00
17	E. McKenzie .....	do .....	24.84
17	C. E. Persons .....	do .....	24.84
17	Anna L. Bean .....	do .....	9.20
17	John H. Evans .....	Services, Dec. 10 to Dec. 16 .....	4.00
17	L. C. Bullock .....	Repairing United States telegraph line .....	5.25
17	The Cleveland Telephone Co. ....	Rent of telephone and exchange service, Oct. 1 to Dec. 31.	18.00

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Jan. 17	James Brodie.....	Labor and material.....	\$4.00
17	R. J. Hyatt.....	Hauling, etc.....	2.10
17	G. G. Robissor.....	Services, Oct. 1 to Dec. 31.....	3.00
17	James Evans.....	Services as cleaner, Oct. 1 to Dec. 31.....	9.00
17	Grace V. Passailaigue.....	do.....	9.00
17	Astoria Gaslight Co.....	Gas, Oct. 1 to Dec. 31.....	11.48
17	F. H. Clarke.....	Hauling.....	1.25
17	T. J. Considine.....	do.....	.50
17	Georgie C. Laws.....	Making a stenographic report.....	28.44
17	Vanderbilt University.....	Office rent. Nashville, Tenn., Oct. 1 to Dec. 31.....	112.50
18	J. R. Clinton.....	Repairing United States telegraph line.....	8.75
18	The Norfolk and Carolina R. R. Co.....	Transportation, R. J. Bain, Dec. 29.....	8.05
18	E. Morrison Paper Co.....	Strawboard.....	6.00
18	City Gaslight Co. of Norfolk.....	Electric light, Oct. 1 to Dec. 31.....	6.00
18	A. J. Robbins.....	Repairing office building.....	15.00
18	D. W. Williamson.....	Moving office fixtures.....	53.80
18	Teche & Vermilion Telegraph Line.....	Telephoning, Nov. 11 to Dec. 31.....	7.50
18	Philadelphia, Reading and Pottsville Telegraph Co.....	Telegraphing, December.....	9.75
18	Frank Perry.....	Telephoning, Oct. 1 to Dec. 5.....	3.20
18	C. Endress & Sons.....	Telegraphing, Oct. 2 to Dec. 5.....	15.00
18	Southern Bell Telephone and Telegraph Co.....	Rent of telephone, Oct. 1 to Dec. 31.....	15.00
18	The Central District Printing and Telegraph Co.....	do.....	12.50
18	D. J. Young.....	do.....	9.75
18	Northwestern Telephone Exchange Co.....	Rent of telephone and exchange service, Oct. 1 to Dec. 31.....	18.00
18	The Empire State Telephone and Telegraph Co.....	Telephone exchange service, Oct. 1 to Dec. 31.....	28.50
18	East Tennessee Telephone Co.....	do.....	15.00
18	Chicago Telephone Co.....	do.....	31.25
18	Missouri and Kansas Telephone Co.....	do.....	18.00
18	Northwestern Telephone Exchange Co.....	do.....	18.00
19	The Southern New England Telephone Co.....	Rent of telephone, Oct. 1 to Dec. 31.....	15.00
19	Oregon Telephone and Telegraph Co.....	do.....	22.50
19	Missouri and Kansas Telephone Co.....	do.....	21.00
19	Great Southern Telephone and Telegraph Co.....	do.....	15.00
19	Nebraska Telephone Co.....	do.....	15.00
19	Atlanta Telephone Exchange.....	do.....	17.00
19	Delaware and Atlantic Telephone Co.....	do.....	12.00
19	Southern Bell Telephone and Telegraph Co.....	do.....	15.00
19	Sunset Telephone and Telegraph Co.....	do.....	15.00
19	The Bell Telephone Co. of Buffalo.....	do.....	17.50
19	Black Hills Telegraph and Telephone Co.....	Rent of telephone, etc., Oct. 1 to Dec. 31.....	21.00
19	Telephone and Telegraph Construction Co.....	Rent of telephone, Oct. 1 to Dec. 31.....	12.00
19	Chesapeake and Potomac Telephone Co.....	Telephone exchange service, Oct. 1 to Dec. 31.....	50.00
19	Missouri and Kansas Telephone Co.....	do.....	12.00
19	The Bell Telephone Co. of Missouri.....	do.....	16.25
19	Great Southern Telephone and Telegraph Co.....	do.....	25.00
19	New York and Pennsylvania Telephone and Telegraph Co.....	do.....	6.00
19	Southern Bell Telephone and Telegraph Co.....	do.....	16.00
19	do.....	do.....	15.00
19	Wisconsin Telephone Co.....	Telephone service, Oct. 1 to Dec. 31.....	25.00
19	Telephone and Telephone Construction Co.....	do.....	10.00
19	The Southern New England Telephone Co.....	Rent of telephone, Oct. 1 to Dec. 31.....	31.25
19	Hudson River Telephone Co.....	Telephoning, Oct. 1 to Dec. 31.....	15.00



*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Jan. 19	Alamo Fire Insurance Co. ....	Office rent, San Antonio, Tex., Oct. 1 to Dec. 31.	\$75.00
19	National Bank of Commerce .....	Office rent, Pierre, S. Dak., Oct. 1 to Dec. 31.	112.00
19	Lorenzo Littlefield .....	Office rent, Block Island, R. I., Oct. 1 to Dec. 31.	42.50
19	E. F. Hallack .....	Office rent, Denver, Colo., Oct. 1 to Dec. 31.	150.00
19	Amarillo Improvement Co. ....	Office rent, Amarillo, Tex., Oct. 1 to Dec. 31.	51.75
19	George S. Waite .....	Office rent, Key West, Fla., Oct. 1 to Dec. 31.	103.86
19	Galveston Cotton Exchange .....	Office rent, Galveston, Tex., Oct. 1 to Dec. 31.	78.25
19	Chas. B. Tuch .....	Traveling expenses, October .....	54.45
19	Williams & Hanks .....	Belt lacing .....	1.70
19	C. B. Fenton & Co. ....	Recasting rollers .....	12.00
19	C. C. Allen .....	Services, Oct. 1 to Dec. 31 .....	15.00
19	Calvin Hamilton .....	do .....	9.20
19	Ama S. Dyer .....	do .....	30.00
19	J. H. Bickford .....	do .....	15.00
19	Pay roll, New Orleans, La. ....	Substation salaries, Oct. 1 to Dec. 31 .....	224.90
19	Pay roll, Montgomery, Ala. ....	do .....	218.85
19	Memphis Light and Power Co. ....	Electric current, December .....	8.83
19	Chas. L. Stoeve .....	Paper .....	123.97
19	C. D. Whitall Co. ....	Mucilage, ink, etc .....	4.82
20	J. H. Mills & Co. ....	Type .....	6.75
22	Standard Furniture Co. ....	Droplight, etc .....	13.00
22	Pacific Telephone and Telegraph Co. ....	Telephone exchange service, Oct. 1 to Dec. 31.	22.50
22	P. Conner .....	Traveling expenses, December .....	40.50
22	Geo. R. Marquette .....	Services, Oct. 1 to Dec. 31 .....	15.00
22	P. C. Shaw .....	Washing towels, Oct. 1 to Dec. 31 .....	3.00
22	L. N. Jesunofsky .....	Drayage .....	1.50
22	New England Telephone and Telegraph Co. ....	Telegraphing, December .....	3.00
22	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co. ....	do .....	20.50
22	Ohio River Telegraph Line .....	Telegraphing, Oct. 1 to Dec. 31 .....	5.52
22	Julien P. Friez .....	Instrument case .....	14.57
22	Rising Sun Telegraph Line .....	Telegraphing, Oct. 1 to Dec. 31 .....	5.00
22	The Central District and Printing Telegraph Co. ....	Telephone exchange service, Oct. 1 to Dec. 31.	15.50
22	J. E. Cairns .....	Hauling .....	2.00
22	A. A. Day .....	Repairing United States telegraph line .....	1.90
22	J. I. Franklin .....	Blankets .....	8.00
22	Thorp & Martin Co. ....	Mucilage and ink .....	6.50
22	Wisconsin Telephone Co. ....	Telephone exchange service, Oct. 1 to Dec. 31.	12.00
22	Southern Bell Telephone and Telegraph Co. ....	do .....	15.00
22	H. H. Buhue .....	Office rent, Eureka, Cal., Oct. 1 to Dec. 31 .....	72.41
22	Sunset Telephone and Telegraph Co. ....	Rent of telephone, Oct. 1 to Dec. 31 .....	12.00
22	T. V. Davis .....	Services, Oct. 1 to Dec. 31 .....	30.00
22	Lee Fisk .....	do .....	30.00
22	W. H. Renear .....	Repairing United States telegraph line .....	10.00
22	B. P. Nickerson .....	do .....	5.00
22	Campbell & Gregg .....	Towel supply, Oct. 1 to Dec. 31 .....	3.00
22	E. T. Gaillard .....	Services, December .....	3.10
22	W. J. Tate .....	Corn and hay .....	28.50
23	Pay roll, Mobile, Ala. ....	Substation salaries, Oct. 1 to Dec. 31 .....	146.60
23	Pay roll, Cincinnati, Ohio. ....	do .....	324.30
23	Pay roll, Corpus Christi, Tex. ....	do .....	69.00
23	Pay roll, Davenport, Iowa .....	do .....	58.00
23	Brush Electric Light and Power Co. ....	Electric lights, Oct. 1 to Dec. 31 .....	13.75
23	The Ohio Valley Telephone Co. ....	Telephone exchange service, Oct. 1 to Dec. 31.	18.00
23	Joseph A. Smith .....	Office rent, Idaho Falls, Idaho, December .....	30.00
23	Crane & Co. ....	Stationery .....	39.20
23	C. A. Krebaum .....	Repairing rain and snow gauge .....	.50
23	Strickland Printing Co. ....	Printing bulletins .....	13.00
23	John H. Clery .....	Traveling expenses, December .....	3.12
23	O. D. Stewart .....	Traveling expenses, January .....	2.00
23	B. L. Waldron .....	Traveling expenses, December and January.	1.50
23	R. J. Bain .....	do .....	5.25
23	E. T. Shriver .....	Services, Oct. 1 to Dec. 31 .....	9.20
23	Southwestern Telegraph and Telephone Co. ....	Telephone exchange service, Oct. 1 to Dec. 31.	12.00
27	John C. Parker .....	Map paper .....	62.37
27	do .....	Duplicating paper .....	88.00
27	do .....	Book paper .....	26.40
27	J. C. Entwistle .....	Engraving .....	5.00

Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Jan. 29	Pay roll, Atlanta, Ga .....	Substation salaries, Oct. 1 to Dec. 31 .....	\$230.45
29	Wm. H. H. Smith .....	Repairing United States telegraph line .....	14.00
29	W. S. Brockman .....	Locating river gauge .....	2.00
29	E. A. Clarke & Co. ....	Repairing flagstaff .....	1.80
29	John Gordon .....	Coal oil .....	2.25
29	Harry A. Sayles .....	Repairing milligraph .....	1.00
29	Albert Bourquin .....	Labor and material .....	1.00
29	B. Ammons .....	Repairing river gauge .....	7.00
29	J. E. Price .....	do .....	17.00
29	W. M. Richards .....	Painting instrument shelter .....	10.00
29	Southern Pacific Co. (Atlantic system).	Freight charges, Oct. 10 .....	4.87
29	East Tennessee, Virginia and Georgia Rwy. Co. ....	Freight charges, Oct. 11 .....	3.93
29	Baltimore and Ohio R. R. Co. ....	Freight charges, Sept. 4 .....	49.70
29	Louisville and Nashville R. R. ....	Freight charges, Oct. 9 .....	2.04
31	L. Winters et al. ....	Printing office roll, January .....	2,022.15
31	Laura F. Hawkins .....	Services, January .....	86.10
Feb. 1	Southern California Rwy. Co. ....	Transportation, H. C. Bate, Oct. 30 .....	10.00
1	The Chesapeake and Ohio Rwy. Co. ....	Transportation, S. P. Gresham et al., Nov. 7 .....	33.50
1	St. Paul and Duluth R. R. Co. ....	Transportation, N. B. Conger, Oct. 21 .....	4.30
1	Louisville and Nashville R. R. Co. ....	Transportation, M. W. Huntington, Nov. 8 .....	25.50
1	Baltimore and Ohio R. R. Co. ....	Transportation, I. W. Brewer, Nov. 3 .....	25.50
1	J. W. Thompson .....	Telephone exchange service, Oct. 1 to Dec. 31 .....	15.00
1	Sunset Telephone and Telegraph Co. ....	do .....	15.00
1	The Pennsylvania Telephone Co. ....	do .....	21.00
1	Great Southern Telegraph and Telephone Co. ....	do .....	15.00
1	Telephone and Telegraph Construction Co. ....	do .....	24.00
1	Iowa Union Telephone Co. ....	do .....	12.00
1	Millbridge and Cherryfield Telegraph Co. ....	Telegraphing, Oct. 1 to Dec. 31 .....	5.90
1	Wyoming Midland Telegraph Co. ....	Telegraphing, December .....	13.30
1	Max Wagner .....	Drayage .....	1.15
1	Harry A. Sayles .....	do .....	4.50
1	G. L. Turner .....	do .....	1.00
1	Pay roll, Sacramento, Cal. ....	Substation salaries, November and December .....	76.25
1	Pay roll, Augusta, Ga. ....	Substation salaries, Oct. 1 to Dec. 31 .....	36.30
1	White & Dodson .....	Copper wire .....	64.00
1	G. H. Willson .....	Repairing instrument shelter .....	1.00
1	J. L. McShane .....	Rubber tubing .....	1.20
1	Indian River Steamboat Co. ....	Transportation, Weather Bureau property .....	10.23
1	Toilet Supply Co. ....	Toilet service, December .....	1.50
1	Day & Allen .....	Window curtains .....	4.50
1	Cone & Kimball Co. ....	Office rent, Red Bluff, Cal., Oct. 1 to Dec. 31 .....	100.99
1	J. T. Brown .....	Office rent, Williston, N. Dak., Oct. 1 to Dec. 31 .....	12.50
1	Homer J. Hart .....	Repairing United States telegraph line .....	4.00
1	F. W. David .....	do .....	4.00
1	G. N. Lysight .....	Traveling expenses, December .....	15.10
1	P. Connor .....	Street-car tickets .....	5.60
1	L. Coney .....	Services, Oct. 1 to Nov. 30 .....	10.00
2	Atlanta Rubber Stamp and Stencil Works. ....	Type .....	3.29
2	Standard Furniture Co. ....	Rubber tubing, etc. ....	3.00
2	F. A. Tschiffely, jr. ....	Alcohol .....	11.75
2	J. Edward Turton .....	Packing boxes, etc. ....	38.00
2	Henry J. Green .....	Thermometers .....	600.00
2	E. Lien .....	Moving Weather Bureau property .....	7.00
2	P. F. Lyons .....	Hauling .....	1.00
2	Arthur L. White .....	do .....	.75
2	H. E. Wilkinson .....	do .....	1.50
2	Pay roll, Pittsburg, Pa. ....	Substation salaries, Oct. 1 to Dec. 31 .....	460.25
2	Pennsylvania R. R. Co. ....	Transportation, M. W. Harrington, Dec. 13 .....	21.00
2	Norfolk and Washington Steamboat Co. ....	Freight charges, Nov. 13 .....	9.81
2	Indian River Steamboat Co. ....	Freight charges, Oct. 15 .....	2.15
2	E. S. Greeley & Co. ....	Telegraph keys .....	14.60
2	New Bedford, M. V. & N. Steamboat Co. ....	Freight charges, Aug. 14 .....	10.43
2	Pennsylvania R. R. Co. ....	Freight charges, Nov. 24 .....	28.47
2	C. H. Mallory & Co. ....	Freight charges, Oct. 28 .....	3.28

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Feb. 2	Wisconsin Central Lines.....	Freight charges, Oct. 18.....	\$0.93
2	Hannibal and St. Joseph R. R. Co.	Freight charges, Sept. 30.....	.49
2	E. G. Tulein.....	Freight charges, Oct. 29.....	.34
2	Chicago, Milwaukee and St. Paul Rwy. Co.	Freight charges, July 8.....	.74
2	Alabama and Vicksburg Rwy. Co.	Freight charges, Nov. 4.....	4.37
2	Fort Worth and Denver City Rwy. Co.	Freight charges, Sept. 23.....	.97
2	St. Louis and San Francisco Rwy. Co.	Freight charges, Sept. 30.....	2.50
2	do.....	Freight charges, Oct. 11.....	.56
2	Vandalia Line.....	Freight charges, Oct. 3.....	8.89
2	New York Central and Hudson River R. R. Co.	Freight charges, Oct. 12.....	3.07
2	Pennsylvania R. R. Co.....	Freight charges, Sept. 23.....	5.77
3	Kate E. Reynolds.....	Services as cleaner, Oct. 1 to Dec. 31.....	15.00
3	Charles C. Hayman.....	do.....	7.50
3	C. F. Gregor.....	Services as cleaner, January.....	5.00
3	John Edwards.....	do.....	3.00
3	W. S. Gosnell.....	do.....	5.00
3	Pay roll, Little Rock, Ark.	Substation salaries, Oct. 1 to Dec. 31.....	38.80
3	R. L. Piver.....	Labor and material.....	59.00
3	Haley Grocery Co., Inc.....	Benzine.....	1.15
3	Boyd Transfer and Fuel Co.....	Hauling.....	.75
3	Sam'l Springmann.....	do.....	4.38
3	John C. Parker.....	Blank books.....	56.50
3	Geo. Ryneal, jr.....	Benzine.....	3.80
3	Andrew Renz.....	Sharpening knives.....	3.00
3	E. Morrison Paper Co.....	Cardboard, etc.....	4.50
3	J. B. Palsgrove.....	Transportation to Pikes Peak and return.....	10.00
3	J. C. Cammer.....	Services, Oct. 19, 1893, to Jan. 18, 1894.....	15.00
3	F. C. Lecky.....	Services, Dec. 16 to 31.....	5.16
3	Fred Wade.....	Services, Oct. 20 to Dec. 10.....	17.10
3	W. M. Case.....	Services, January.....	40.00
3	Will Van Duzer.....	do.....	20.00
3	W. H. Veerhoff.....	Map frames.....	151.25
3	First National Bank of Portland.	Office rent, Portland, Me., Oct. 1 to Dec. 31.....	126.00
3	Joseph Chilberg.....	Office rent, Olympia, Wash., January.....	26.50
3	M. Cotter.....	Repairing United States telegraph line.....	31.25
3	H. Drinkwater.....	do.....	5.00
3	M. W. Etheridge.....	do.....	3.50
3	Atchison, Topeka and Santa Fe R. R. Co.	Transportation, G. E. Curtis, Dec. 7.....	30.90
3	Cincinnati, New Orleans and Texas Pacific Rwy. Co.	Transportation, R. J. Hyatt, Dec. 8.....	21.00
3	Norfolk and Western R. R. Co..	Transportation, F. H. Clarke, Dec. 14.....	21.00
3	B. S. Pague.....	Traveling expenses, December.....	15.25
3	New England Telephone and Telegraph Co.	Telephone service, Oct. 1 to Dec. 31.....	12.50
3	do.....	Rent of telephone, Oct. 1 to Dec. 31.....	12.50
3	Munfordville Short Line Telegraph.	Telegraphing, July 1 to Dec. 31.....	4.50
3	Kellys Island and R. Cable Telegraph Co.	Telegraphing, Sept. 1 to Dec. 31.....	11.55
3	Telephone and Telegraph Construction Co.	Rent of telephone, Oct. 1 to Dec. 31.....	10.00
3	Chas. Shea.....	Services, Oct. 1 to Dec. 31.....	30.00
3	Chas. K. Morgan.....	Repairing clock.....	2.00
5	Shaw & Roache.....	Replacing wind vane.....	3.00
5	Holmes & Co.....	Rubber tubing.....	1.50
5	C. B. Fenton & Co.....	Brushes.....	3.60
5	T. J. Tillett.....	Repairing United States telegraph line.....	23.63
5	Elizabeth H. Hobbs.....	Services as cleaner, December.....	3.00
5	Smith Bros.....	Ink, mucilage, etc.....	3.65
5	Greg. G. Wright & Son.....	Recasting roller.....	2.25
5	E. R. Peoples & Co.....	Window curtains.....	9.00
5	Felix Leclair.....	Removing flag and halyards.....	2.00
5	H. E. Smith.....	Traveling expenses, January.....	37.75
5	Western Union Telegraph Co..	Telegraphing, July 1 to Aug. 31.....	10,610.69
5	Southern Pacific Co., Atlantic system.	Freight charges, Oct. 12.....	2.75
5	Fremont, Elkhorn and Missouri Valley R. R. Co.	Freight charges, Sept. 4.....	1.60
5	Chicago and Northwestern Rwy. Co.	Freight charges, Sept. 22.....	7.30
5	Merchants and Miners' Transportation Co.	Freight charges, Jan. 2.....	2.17



*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Feb. 5	Wilmington and Weldon R. R. Co.	Freight charges, Oct. 20 .....	\$6.45
5	Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.	Freight charges, Aug. 1 .....	19.11
5	do	Freight charges, Aug. 17 .....	2.14
5	Northern Central Rwy. Co.	Freight charges, Jan. 2 .....	1.79
5	Central Vermont R. R. Co.	Freight charges, Sept. 23 .....	1.93
5	Memphis and Charleston R. R. Co.	Freight charges, Sept. 30 .....	6.10
5	Pennsylvania R. R. Co.	Freight charges, Sept. 29 .....	14.13
7	J. C. Entwisle	Rags .....	8.00
7	The Standard Engraving Co.	Engraving .....	28.98
7	Lewis R. Dey	Combination rollers .....	27.50
7	The Ira F. Powers Manufacturing Co.	Chairs, etc. ....	13.00
7	John C. Parker	Stencil paper .....	346.50
7	E. P. Jones	Hauling .....	1.75
7	U. G. Purssell	do .....	1.00
7	R. J. Hyatt	do .....	2.50
7	G. L. Turner	do .....	1.50
7	Park Morrill	do .....	5.55
7	Wm. D. Martin	Oil .....	4.00
7	Lakeside Press and Photo-Engraving Co.	Binding maps .....	3.50
7	Chas. A. Muddiman	Drop lights .....	7.70
7	Seth I. Davis	Repairing United States telegraph line .....	3.00
7	R. C. Orrell	do .....	3.00
7	G. C. Wiswell	do .....	2.50
7	Richard Titus	Services as cleaner, January .....	4.00
7	Valentin Montoya	do .....	5.00
7	Elizabeth H. Hobbs	do .....	3.00
7	Cape Horn Telegraph Co.	Telegraphing, Nov. 1 to Dec. 31 .....	2.80
7	Moorhead Lake Telegraph Co.	Telegraphing, July 1 to Dec. 31 .....	6.00
7	Telephone and Telegraph Construction Co.	Telephone exchange service, July 1 to Dec. 31 .....	90.00
7	C. E. Linney	Expressage, etc. ....	2.05
7	Southern Bell Telephone and Telegraph Co.	Rent of telephone, Oct. 1 to Dec. 31 .....	13.53
7	R. C. McMann	Services, Oct. 1 to Nov. 30 .....	12.20
9	Wm. Ballantyne & Sons	Paper .....	119.00
9	Pay roll, New York, N. Y.	Substation salaries, January .....	61.00
9	Mary V. E. Prichett	Services as cleaner, January .....	3.00
9	McArdle & Rivard	Labor and material .....	8.00
9	Cumberland Telephone and Telegraph Company.	Telephoning, Oct. 1 to Dec. 31 .....	56.00
9	Choctaw Coal and Rwy. Co.	Telegraphing, December .....	.80
9	Great Northwestern Telegraph Company of Canada.	do .....	113.03
9	Toilet Supply Co.	Toilet service, January .....	1.50
9	Louisville Toilet Supply Co.	Supplying towels, Oct. 1 to Dec. 31 .....	3.00
10	New York Central and Hudson River R. R. Co.	Freight charges, Nov. 16 .....	.49
10	Illwaco Railway and Navigation Co.	Freight charges, Dec. 5 .....	.22
10	Toledo, Peoria and Western Rwy. Co.	Freight charges, Oct. 14 .....	1.11
10	Pennsylvania R. R. Co.	Freight charges, Oct. 21 .....	1.41
10	West Shore R. R.	Freight charges, Sept. 26 .....	2.21
10	Vicksburg, Shreveport and Pacific R. R. Co.	Freight charges, Oct. 18 .....	2.38
10	Southern California Rwy. Co.	Freight charges, Sept. 18 .....	1.23
10	Chicago, Milwaukee and St. Paul Rwy. Co.	Transportation, J. Kenealy, Nov. 17 .....	13.55
10	Oregon Short Line and Utah Northern Railway Co.	Transportation, H. C. Bate, Oct. 15 .....	1.50
10	Chicago, Great Western Rwy. Co.	Transportation, T. S. Outram, Oct. 5 .....	10.25
10	Homer J. Hart	Repairing United States telegraph line .....	7.50
10	Easton & Rupp	Envelopes .....	12.12
10	Michigan Bell Telephone Co.	Telephoning, July 1 to Dec. 31 .....	591.41
12	Little Northern Telegraph Co.	Telegraphing, July 1 to Dec. 31 .....	21.65
12	Chicago, Burlington and Northern R. R. Co.	Telegraphing, December .....	1.63
12	Tidewater Telephone Co.	Telephoning, July 1 to Dec. 31 .....	5.40
12	Postal Telegraph Cable Co.	Telegraphing, December .....	12.26
12	MacKellar, Smith & Jordan Foundry.	Type .....	14.20
12	A. T. Brown	Binding maps .....	3.00
12	W. H. Weir	Halyards, etc. ....	4.75
12	Chas. M. Stover	Map paper .....	562.50

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Feb. 12	Thos. J. Coury .....	Drayage .....	\$11.00
12	Herman Baumgarten .....	Rubber stamps, etc. ....	75.40
12	James B. Lambie .....	Hardware .....	.95
12	C. B. Fenton & Co .....	Recasting rollers .....	.60
12	J. C. Entwistle .....	Engraving .....	5.00
12	Robert Sherrard .....	Services as cleaner, January .....	3.00
12	Willie Wilkins .....	Services, January .....	2.00
14	Ricmond and Danville R. R. Co.	Transportation, W. J. Wambaugh et al., Aug. 10. ....	99.20
14	Chicago and Northwestern Rwy. Co. ....	Freight charges, Aug. 31 .....	29.44
14	do .....	Freight charges, Nov. 11 .....	4.13
14	Hastings Steamboat Co .....	Freight charges, Oct. 2 .....	3.00
14	Louisville and Nashville R. R. Co. ....	Freight charges, Sept. 29 .....	6.23
14	Johns & Starin .....	Freight charges, Jan. 15 .....	.88
14	Geo. W. Knox Express .....	Freight charges, Dec. 21 .....	3.69
14	Memphis Light and Power Co.	Electric current, January .....	10.13
14	John C. Parker .....	Envelopes .....	40.07
14	do .....	Staple fasteners .....	3.00
14	Sam'l. Springmann .....	Hauling .....	3.27
14	United States Express Co .....	Express charges .....	1.10
14	B. S. Pague .....	Expenses, December .....	40.50
14	W. L. Day .....	Expenses, January .....	36.50
14	E. B. Dunn .....	Mucilage, etc .....	2.30
14	Thayer & Jackson Stationery Co. ....	Binding maps .....	11.00
16	Wm. A. Vanderhoop, jr. ....	Repairing United States telegraph line ..	1.00
16	Walter O. Luscombe .....	do .....	5.50
16	John J. Veeder .....	do .....	8.00
16	E. E. Howes .....	do .....	4.50
16	J. P. Slaughter .....	do .....	5.00
16	Flint and Pere Marquette R. R. Co. ....	Transportation, A. E. Hacket, Sept. 30 .....	3.40
16	Louisville and Nashville R. R. Co. ....	Transportation, S. L. Doshier, Dec. 10 .....	22.00
16	Adams Express Co .....	Expressage .....	5.35
16	The Perry Stove Co. ....	Grate .....	1.50
16	E. A. Ward .....	Mounting maps, etc .....	8.00
16	Dennison Manufacturing Co .....	Card holders .....	18.20
16	Julien P. Friez .....	Recorder supports .....	75.00
16	Geo. H. Hornby .....	Shovel, etc .....	2.25
16	Fred Strauss .....	Repairing clock .....	2.00
16	The Gayton Furniture Co .....	Repairing chairs .....	5.65
16	C. S. Hook .....	Cleaning register clock .....	2.50
16	M. F. Dunn & Bro .....	Binding maps .....	4.00
16	J. B. Palsgrove .....	Transportation to Pike's Peak and return ..	10.00
16	Herman Baumgarten .....	Rubber type .....	34.50
16	Lenoir and Blowing Rock Tele- graph Co. ....	Telegraphing, Oct. 1 to Dec. 31 .....	9.00
16	Carolina Midland Rwy. Co. ....	Telegraphing, Nov. 1 to Dec. 31 .....	4.69
16	R. Lee Gookin .....	Services, Jan. 1 to 25 .....	2.50
19	Talbotton Enterprise Tele- graph Co. ....	Telegraphing, January .....	1.50
19	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co. ....	do .....	18.02
19	New England Telegraph and Telephone Co. ....	do .....	2.30
19	Philadelphia, Reading and Pottsville Telegraph Co. ....	do .....	9.95
19	The Manhattan Supply Co. ....	Brushes .....	22.50
19	G. B. McCoy .....	Telegraphing, January .....	6.00
19	F. S. Hyde .....	Drayage .....	.75
19	Theo. B. Comstock .....	Wood .....	15.00
19	Louisville and Bartow Tele- graph Line. ....	Telegraphing, December .....	1.70
21	Baltimore and Ohio Southwest- ern R. R. Co. ....	Transportation, E. H. Emery, Sept. 21 .....	17.25
21	Pennsylvania R. R. Co. ....	Transportation, H. E. Smith, Jan. 10 .....	73.00
21	New York, New Haven and Hudson River R. R. Co. ....	Transportation, H. Goucher, Jan. 2 .....	3.00
21	J. A. Miller .....	Repairing United States telegraph line .....	25.00
21	John H. Evans .....	do .....	6.00
21	F. W. David .....	do .....	12.00
21	Jay W. Austin .....	do .....	3.00
21	F. J. Hart .....	do .....	2.00
21	Forker & Baldwin .....	Flags .....	30.00
21	do .....	do .....	4,329.98
21	W. M. Wilson .....	Hauling .....	2.25
21	H. C. Frankenfield .....	do .....	1.50

Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Feb. 21	T. E. Howes & Co.	Brooms, matches, etc.	\$3.00
21	Barker Bros.	Office chair.	6.00
27	Clyde Iron Co.	Labor and material.	15.20
27	C. P. Babcock	do.	6.00
27	Layton & Cameron	do.	2.00
27	F. J. Hart	Repairing United States telegraph line.	12.00
27	The Standard Engraving Co.	Engraving.	1.00
27	Baltimore and Ohio Southwestern R. R. Co.	Freight charges, Oct. 6.	4.61
27	Merchants and Miners' Transportation Co.	Freight charges, Nov. 23.	13.19
27	Pennsylvania R. R. Co.	Freight charges, Dec. 13.	13.15
28	J. B. Palsgrove	Transportation to Pikes Peak and return.	10.00
28	Elmer Samples	Repairing United States telegraph line.	12.50
28	L. C. Bullock	do.	24.50
28	Robert McWhinney	do.	12.50
28	B. P. Nickerson	do.	11.25
28	J. C. Cammer	Services, Jan. 19 to Feb. 8.	3.52
28	R. M. Pickering	Services, Oct. 1 to Dec. 31.	18.25
28	F. L. Jackson, agent.	Office rent, Yankton, S. Dak., Jan. 1 to Feb. 15.	38.39
28	Joseph Chilberg	Office rent, Olympia, Wash., February.	26.50
28	Louisville and Bartow Telegraph Line.	Telegraphing, January.	2.80
28	Great Northwestern Telegraph Company of Canada.	Telegraphing, July 1 to Jan. 31.	497.45
28	Postal Telegraph Cable Co.	Telegraphing, January.	9.72
28	Richmond and Danville R. R. Co.	Freight charges, Jan. 11, etc.	24.15
28	Chicago, St. Paul, Minneapolis and Omaha Rwy.	Transportation, L. H. Murdock, Dec. 8.	3.15
28	J. N. Ryker	Drayage, etc.	1.15
28	C. B. Cottrell & Sons Co.	Steel crescent for press.	3.75
28	J. L. Cline	Drayage, etc.	3.25
28	Hayden Bros.	Office furniture.	251.70
28	W. T. Nicholson	Binding maps.	2.50
28	H. C. Strong	Padlock.	.75
28	Kohler Manufacturing Co.	Special gum.	4.28
28	The West Jersey Paper Manufacturing Co.	Manila paper.	90.00
28	Fred A. Schmidt	Measuring sticks.	50.00
28	James B. Lambie	Copper tacks.	2.45
28	Newman & Son	Repairs to caligraph.	2.45
28	John Schultzbach	Rain gauges.	136.00
28	L. Winters et al.	Printing office roll for February.	1,620.90
28	Laura F. Hawkins	Climatology roll for February.	77.80
28	J. H. Robinson	Meals and lodging, February.	2.00
Mar. 1	Northern Pacific R. R. Co.	Transportation, H. C. Bate, Sept. 1.	7.80
1	do.	Transportation, B. S. Pague et al., Nov. 6, etc.	54.00
1	do.	Transportation, B. H. Bronson et al., Dec. 5, etc.	30.20
1	The Missouri Pacific Rwy. Co.	Transportation, L. A. Welsh, Dec. 5.	5.15
1	B. S. Pague	Lodging and meals, January.	46.50
1	Star Union Line.	Freight charges, Dec. 6.	1.81
1	Duluth, South Shore and Atlantic Rwy. Co.	Freight charges, Sept. 8.	3.81
2	Robt. Mayer & Co.	Ink.	29.25
2	Wm. Stork	Coal.	7.50
2	The Cowell & Hubbard Co.	Repairing clocks.	5.00
2	Henry J. Green	Supports for thermometers.	35.00
2	do.	Psychrometers.	42.50
2	Mineralized Rubber Co.	Rubber blankets.	51.82
2	Geo. E. Hunt	Recasting roller.	1.95
2	Will Van Duzer	Services for February.	20.00
2	W. M. Case	do.	40.00
2	W. S. Gosnell	Services as cleaner, February.	5.00
2	Geo. W. Scott	Lodging and meals, February.	1.25
2	Henry G. B. Swinhoe	Services, Feb. 9 to 28.	20.00
2	Valentin Montoya	Services as cleaner, February.	5.00
2	Wm. E. Clark & Co.	Millograph pads.	13.00
2	F. A. Tschiffely, jr.	Sponges.	7.75
2	Henry Burmeister	Cleaning thermograph clocks.	22.00
2	Easton & Rupp	Paper.	30.94
6	Western Union Telegraph Co.	Telegraphing, September.	9,831.87
6	Wyoming Midland Telegraph Co.	Telegraphing, January.	11.25
6	Baltimore and Ohio R. R. Co.	Transportation, F. H. Clarke et al., Dec. 2.	61.20
6	W. H. Hammon	Traveling expenses, February.	7.10
6	G. H. Willson	Hauling.	1.25



Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Mar. 7	John Edwards	Services as cleaner, February	\$3.00
7	C. F. Gregor	do	5.00
7	Emma Ling	Services as cleaner, Jan. 1 to Feb. 28	10.00
7	Richard Titus	Services as cleaner, February	4.00
7	Chas. W. Schotzell	Repainting river gauge	10.00
7	Archie Scott	Constructing river gauge	12.00
7	Pay roll, New York, N. Y.	Substation salaries, February	61.00
7	W. H. Veerhoff	Map frames	60.00
7	Herman Baumgarten	Ink for stamps	5.04
7	T. R. Shaw & Co	Mucilage and ink	2.40
7	B. C. Keller	do	2.45
7	W. B. Stockman	Drayage, etc	5.21
7	H. H. Hodgson	Remington typewriter	87.75
7	Toilet Supply Co	Washing towels, February	1.50
7	F. F. Voigt	Milliograph stand	5.00
7	H. W. Richardson	Traveling expenses, February	2.15
7	A. E. Hackett	do	4.00
8	John H. Clery	Meals and lodging, January	15.00
8	P. Connor	Street-car tickets	5.00
8	Northern Pacific R. R. Co	Transportation, H. E. Wilkinson, Jan. 20	27.00
8	do	Freight charges, Aug. 16	5.34
8	do	Freight charges, Aug. 18	1.38
8	East Tennessee, Virginia and Georgia Rwy.	Freight charges, Oct. 12	8.01
8	Hastings Steamboat Co.	Freight charges, Nov. 1	5.25
8	Alabama and Vicksburg R. R. Co.	Freight charges, Sept. 14	5.05
8	Baltimore and Ohio Southwestern Rwy. Co.	Freight charges, Sept. 8	2.44
8	Northern Pacific R. R. Co	Freight charges, Aug. 28	4.47
8	do	Freight charges, Aug. 29	3.15
10	The E. S. Greeley Co	Galvanized iron wire	4.00
10	Rudolph Lion	Recasting roller	.70
10	L. M. Howard	Repairing rain gauge	.25
10	M. H. Miller	Cleaning clock	1.50
10	Rene Guilloume	Repairing clock	1.50
10	A. W. Koch	Repairing typewriter	1.75
10	Ohio and Mississippi Rwy. Co.	Freight charges, Sept. 16	13.83
10	Baltimore and Ohio Southwestern Rwy. Co.	Freight charges, Dec. 6	.52
10	Southern Pacific Co (Atlantic system).	Freight charges, Nov. 10	1.55
10	Baltimore and Ohio R. R. Co.	Freight charges, Sept. 28	45.44
10	Choctaw Coal and Rwy. Co	Telegraphing, January	1.30
10	James H. Powe	Telegraphing, Sept. 28, Nov. 30	5.50
10	G. B. McCoy	Telegraphing, February	6.00
10	Thomaston and Barnesville Telegraph Line.	Telegraphing, Aug. 1 to Oct. 31	3.00
10	Mary V. E. Pritchard	Services as cleaner, February	3.00
10	Robert Sherrard	do	3.00
10	W. L. Long	Services, Jan. 1 to Feb. 28	5.90
10	Nelle & Engelbrecht	Glazing map frames	1.00
10	A. E. Boyd	Office table	5.00
10	Henry Kahn & Co.	Dotting pen, etc.	4.25
10	J. H. Mills & Co	Type	17.10
10	The Friedenwald Co	Printed wrappers	1,762.39
10	do	Maps	1,812.50
10	Wm. F. Coston	Answering signals	33.00
10	Royce & Marean	Window tubes	2.70
10	Geo. Ryneal, jr	Benzine	.80
10	Memphis Light and Power Co.	Electric current, February	7.30
13	Steamer Pilgrim	Freight charges, Oct. 11	4.86
13	Thos. J. Comy	Drayage	9.67
13	Memphis and Charleston R. R.	Freight charges, Jan. 13	5.78
13	Pennsylvania R. R. Co	Freight charges, Dec. 23	8.07
13	Chicago and Grand Trunk Rwy. Co.	Freight charges, Sept. 29	9.70
13	John J. Veeder	Repairing United States telegraph line	3.00
13	James Cameron	do	1.50
13	Norman B. Conger	Traveling expenses, February	32.10
13	Woodward & Lothrop	Millinette	2.50
13	Mason Guy	Repairing roof	20.00
13	Elizabeth H. Hobbs	Services as cleaner, February	3.00
15	Chicago, Burlington and Northern R. R. Co.	Telegraphing, January	1.90
15	Chesapeake, Ohio and Southwestern R. R. Co.	do	1.60
15	Philadelphia, Reading and Pottsville Telegraph Co.	Telegraphing, February	8.30

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Mar. 15	Chesapeake, Ohio and South-western R. R. Co.	Telegraphing, Nov. 1 to Dec. 31 .....	\$3.40
15	Thomaston and Barnesville Telegraph Co.	Telegraphing, Nov. 1 to Jan. 31 .....	3.40
15	Pay roll, Corpus Christi, Tex.	Substation salaries, January .....	23.25
15	Jeff Davis .....	Repairing United States telegraph line .....	4.00
15	Nelson Hughes .....	do .....	17.50
15	Amon Markham .....	do .....	2.50
15	L. C. Bullock .....	do .....	10.50
15	Robert McWhinney .....	do .....	3.50
15	Solomon Markham .....	do .....	2.50
15	The W. H. Kistler Stationery Co.	Mucilage, ink, etc .....	10.40
15	do .....	do .....	8.30
15	Johnson & Shepard .....	Repairing clock .....	1.00
15	Kauffman, Myers & Co .....	Recovering desks .....	6.75
15	Forker & Baldwin .....	Storm flags, etc .....	493.59
15	E. N. Bartlet .....	Repairing typewriter .....	1.00
15	J. B. Palsgrove .....	Transportation to Pikes Peak and return .....	10.00
15	W. S. Brockman .....	Erecting river gauge .....	25.00
15	Church & Stephenson .....	Lumber .....	70.16
15	Melville Lindsay .....	Rubber tubing .....	2.70
15	John C. Parker .....	Penholders .....	2.55
15	Chas. Becker .....	Turpentine .....	7.10
15	The Chicago, Rock Island and Pacific Rwy. Co.	Transportation, J. H. Clery, Oct. 1. ....	7.25
15	Jacksonville, Tampa and Key West Rwy. Co.	Transportation, H. B. Dick, Dec. 13 .....	5.60
15	The Chicago and Alton R. R. Co.	Transportation, J. H. Clery, Dec. 29 .....	14.60
16	W. T. Blythe .....	Traveling expenses, February .....	7.67
16	Arthur Thompson .....	do .....	16.20
16	Orin Parker .....	Meals and lodging, February .....	2.00
16	Albert Bryan .....	Placing wire cable in position .....	4.00
16	J. J. Gilligan .....	Express charges .....	1.00
17	Chas. M. Stoeve .....	Paper .....	254.25
17	B. F. Hough .....	Sperm oil, etc .....	4.15
17	L. Barba, Son & Co .....	Repairing caligraph .....	20.00
17	F. W. Krichelt .....	Traveling expenses, March .....	5.75
17	C. F. Jones .....	Repairing United States telegraph line .....	9.00
19	C. B. Fenton & Co .....	Recasting rollers .....	17.10
19	Adams Express Co. ....	Expressage, February .....	27.85
19	T. W. Corbett .....	Labor and material .....	13.85
19	A. W. Stevens .....	Hauling .....	.25
19	Joseph A. Smith .....	Office rent, Idaho Falls, Idaho, Jan. 1 to Feb. 28. ....	60.00
22	S. W. Glenn .....	Meals and lodging, Jan. 4 to 8 .....	9.00
22	R. J. Bain .....	Meals and lodging, Nov. 15 to 19 .....	7.50
22	Kohler Manufacturing Co.	Paste .....	10.00
22	John Gordon .....	Kerosene .....	3.00
22	Sam'l Springmann .....	Hauling .....	1.71
22	J. B. Marbury .....	do .....	1.50
22	Craig & Jackson .....	Repairing map-shading roller .....	2.48
22	J. C. Entwistle .....	Engraving .....	5.00
22	R. C. Orrell .....	Repairing United States telegraph line .....	3.00
22	Western Union Telegraph Co.	Cablegram .....	18.91
22	Cape Horn Telegraph Co.	Telegraphing, January .....	2.10
22	Tidewater Telephone Co.	do .....	1.40
22	Thomaston and Barnesville Telegraph Co.	Telegraphing, February .....	1.70
22	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.	do .....	11.94
22	New England Telegraph and Telephone Co.	do .....	2.00
22	Wyoming Midland Telegraph Co.	do .....	13.10
22	Geo. M. Chappel .....	Hauling .....	1.50
22	Baltimore and Ohio Southwest-ern Rwy. Co.	Freight charges, Nov. 23 .....	40.57
22	do .....	Freight charges, Jan. 2 .....	12.99
22	do .....	Freight charges, Oct. 5 .....	9.83
22	Alabama and Vicksburg Rwy. Co.	Freight charges, Jan. 16 .....	1.74
22	East Tennessee, Virginia and Georgia Rwy.	Freight charges, Feb. 1 .....	3.46
22	Alabama Great Southern R. R. Co.	Freight charges, Oct. 11 .....	1.18
22	Elmira, Cortland and Northern R. R. Co.	Freight charges, Oct. 3 .....	.70
22	Illinois Central R. R. Co.	Freight charges, Oct. 23 .....	2.70
22	Hastings Steamboat Co.	Freight charges, Jan. 10 .....	1.00

Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Mar. 22	Merchants and Miners' Transportation Co.	Freight charges, Feb. 2 .....	\$2.22
22	Memphis and Charleston R. R.	Freight charges, Feb. 1 .....	2.59
22	Michigan Central R. R. Co. ....	Freight charges, Nov. 23 .....	6.41
22	do .....	Freight charges, Jan. 2 .....	2.92
24	John J. Masterson .....	Hauling .....	2.50
24	do .....	do .....	3.00
24	C. F. R. Wappenhaus .....	Hauling, etc. ....	1.80
24	H. C. Painter .....	Reeving halyards .....	1.00
24	Klune & Floberg .....	Repairing clock .....	2.50
24	Frank E. Russell .....	Labor and material .....	4.00
24	Fred Myers .....	Meals and lodging .....	4.50
24	F. H. Holton .....	Repairing wind vane, etc .....	2.00
24	Charles Kruth .....	Erecting river gauge .....	25.00
24	B. D. Hill .....	Services, Jan. 1 to Mar. 4 .....	15.75
24	John H. Evans .....	Repairing United States telegraph line .....	4.00
24	Jay W. Austin .....	do .....	1.00
24	C. W. Anderson .....	do .....	1.50
24	E. C. Orrell .....	do .....	3.00
24	John Cooker .....	do .....	10.00
24	Atchison, Topeka and Santa Fe R. R. Co.	Freight charges, Sept. 28 .....	22.46
31	Louis Dorman .....	Money-order fees .....	1.51
31	Laura F. Hawkins .....	Climatology roll for March .....	86.10
31	L. Winters et al .....	Printing office roll for March .....	1,833.40
31	Crane & Co .....	Bank-note onion-skin paper .....	4.90
31	A. E. Couse .....	Repairing telegraph line .....	6.00
31	John H. Starin .....	Freight charges, Feb. 3 .....	.46
31	Pennsylvania R. R. Co. ....	Freight charges, Oct. 20 .....	1.41
31	Empire Line .....	Freight charges, Sept. 29 .....	1.18
31	Baltimore and Ohio South-western Rwy. Co.	Freight charges, Jan. 9 .....	1.11
31	Saginaw, Bay City, and Alpena steamers.	Freight charges, July 12 .....	2.74
31	Colorado Midland R. R. Co. ....	Freight charges, Oct. 16 .....	.25
31	J. B. Palsgrove .....	Transportation observer to Pikes Peak .....	10.00
31	The Wabash R. R. Co. ....	Transportation A. E. Hackett, Feb. 16 .....	4.35
31	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.	Transportation Orin Parker, Feb. 22 .....	8.35
31	Western Rwy. of Alabama .....	Freight charges, Dec. 18 .....	4.44
31	G. L. Eason .....	Cleaning thermograph .....	1.50
31	Wm. H. Simpson .....	Constructing flagstaff .....	15.00
31	Harry A. Sayles .....	Cartage, January and February .....	1.00
31	David Bernhardt .....	Repairing map frame .....	.25
31	Chas. St. John .....	Repairing flagstaff .....	6.00
31	Robt. Fairbanks .....	do .....	13.55
31	C. L. Dahlberg & Co .....	Repairing typewriter .....	3.50
31	Queen & Co. (incorporated) .....	Crystallizing dishes, etc .....	2.88
31	Chicago, Burlington and Northern R. R. Co.	Transmitting messages, February .....	1.51
31	Great Northwestern Telegraph of Canada.	do .....	122.70
31	Postal Telegraph Cable Co. ....	do .....	8.52
31	Chesapeake, Ohio and South-western R. R. Co.	do .....	2.30
31	Otto Stoelker .....	Repairing clock .....	2.00
31	B. S. Pague .....	Board and lodging, February .....	42.00
31	Walter Scott & Co. ....	Lever for repairing lithograph .....	4.20
31	F. F. Voigt .....	Putting clamps on milligraph .....	5.00
31	A. B. Crane .....	Traveling expenses, March .....	8.25
31	Thompson West .....	Labor in March .....	1.00
31	A. W. Keffer .....	Repairing river gauge .....	2.00
31	Louisville and Bartow Telegraph Line.	Transmitting messages, February .....	2.60
	Total third quarter .....		62,799.53
Apr. 3	Montana National Bank .....	Office rent, Helena, Mont., Jan. 1 to Mar. 31 .....	125.00
3	Ed. S. Hughes & Co. ....	Office rent, Abilene, Tex., Jan. 1 to Mar. 31 .....	100.62
3	Baer & Bloch .....	Office rent, Baker City, Oreg., Jan. 1 to Mar. 31 .....	87.50
3	Buffalo Board of Trade .....	Office rent, Buffalo, N. Y., Jan. 1 to Mar. 31 .....	142.06
3	Geo. French .....	Office rent, Corpus Christi, Tex., Jan. 1 to Mar. 31 .....	86.37
3	Fresno Loan and Savings Bank .....	Office rent, Fresno, Cal., Jan. 1 to Mar. 31 .....	100.00
3	Homer W. Styron .....	Office rent, Hatteras, N. C., Jan. 31 to Mar. 31 .....	38.62
3	Charles E. Bryant, receiver for Alliance Building.	Office rent, Huron, S. Dak., Jan. 1 to Mar. 31 .....	78.25



*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Apr. 3	R. McLaughlin .....	Office rent, Jacksonville, Fla., Jan. 1 to Mar. 31.	\$78.05
3	The Kearney Opera House Co. ....	Office rent, Kearney, Nebr., Jan. 1 to Mar. 31.	75.00
3	Matt Borland .....	Office rent, Lander, Wyo., Jan. 1 to Mar. 31.	90.00
3	Walker & Hall .....	Office rent, Meridian, Miss., Jan. 1 to Mar. 31.	70.00
3	Wallawalla Lodge, No. 56, I. O. O. F. ....	Office rent, North Platte, Nebr., Jan. 1 to Mar. 31.	84.87
3	Joseph Chilberg .....	Office rent, Olympia, Wash., Jan. 1 to Mar. 31.	26.50
3	Thomas Sweeny .....	Office rent, Rapid City, S. Dak., Jan. 1 to Mar. 31.	100.76
3	Cone & Kimball Co. ....	Office rent, Red Bluff, Colo., Jan. 1 to Mar. 31.	100.99
3	Acher Marks, administrator .....	Office rent, Roseburg, Oreg., Jan. 1 to Mar. 31.	75.50
3	W. H. Wood & Co. ....	Office rent, Sacramento, Cal., Jan. 1 to Mar. 31.	75.00
3	First National Bank .....	Office rent, Sault Ste. Marie, Mich., Jan. 1 to Mar. 31.	85.75
3	Dexter Horton .....	Office rent, Seattle, Wash., Jan. 1 to Mar. 31.	90.00
3	The Columbia Building Co. ....	Office rent, Topeka, Kans., Jan. 1 to Mar. 31.	87.50
3	Paine Bros. ....	Office rent, Wallawalla, Wash., Jan. 1 to Mar. 31.	73.95
3	The Sedgwick Building Investment Co. ....	Office rent, Wichita, Kans., Jan. 1 to Mar. 31.	90.75
3	P. Laveaga, county treasurer .....	Office rent, Winnemucca, Nev., Jan. 1 to Mar. 31.	67.00
3	E. F. Hallack .....	Office rent, Denver, Colo., Jan. 1 to Mar. 31.	150.00
3	Wm. Crawford .....	Office rent, Pysht, Wash., Jan. 1 to Mar. 31.	30.00
3	H. H. Taylor, agent Mills Building. ....	Office rent, San Francisco, Cal., Jan. 1 to Mar. 31.	300.00
3	First National Bank of Bismarck, N. Dak. ....	Office rent, Bismarck, N. Dak., Jan. 1 to Mar. 31.	105.00
3	A. P. Eagleston .....	Office rent, Vineyard Haven, Mass., Jan. 1 to Mar. 31.	65.00
3	F. E. Warren .....	Office rent, Cheyenne, Wyo., Jan. 1 to Mar. 31.	91.90
3	Henry Landes .....	Office rent, Port Angeles, Wash., Jan. 1 to Mar. 31.	59.00
3	Davidson & Joseph .....	Office rent, Montgomery, Ala., Jan. 1 to Mar. 31.	81.25
3	L. G. Nesmith .....	Office rent, San Diego, Cal., Jan. 1 to Mar. 31.	120.00
3	National Bank of Commerce of Pierre, S. Dak. ....	Office rent, Pierre, S. Dak., Jan. 1 to Mar. 31.	112.00
3	Paul Wilson .....	Office rent, Pueblo, Colo., Jan. 1 to Mar. 31.	84.00
3	T. B. Catron .....	Office rent, Santa Fe, N. Mex., Jan. 1 to Mar. 31.	105.00
3	The Fuchs & Lang Manufacturing Co.; Julius Lang, president. ....	Lithographic transfer paper, March, 1894.	11.00
3	John Edwards .....	Cleaning office, Columbia, S. C., March, 1894.	3.00
3	Robert G. Goffin .....	Cleaning office, Woods Holl, Mass., Jan. 1 to Mar. 31.	9.00
3	Pascual Moreno .....	Cleaning office, Tucson, Ariz., Jan. 1 to Mar. 31.	6.00
3	W. S. Gosnell .....	Cleaning office, Baltimore, Md., Jan. 1 to Mar. 31.	5.00
3	Chas. F. Gregor .....	Cleaning office, Erie, Pa., March, 1894.	5.00
3	Valentin Montoya .....	Cleaning office, Santa Fe, N. Mex., March, 1894.	5.00
3	F. J. Hart .....	Use of horse at Port Crescent, Wash., 3 days in February, 1894.	4.50
3	Norfolk, Albemarle and Atlantic R. R. Co. ....	Freight charges, Feb. 24 .....	.75
3	Central Union Telegraph Co. ....	Telephone rent, Jan. 1 to Mar. 31 .....	81.00
3	Will N. van Duzer .....	Services, March .....	20.00
3	W. M. Case .....	Services, March, Pittsburg, Pa. ....	40.00
3	The Bell Telephone Co. of Buffalo. ....	Rent of telephone, Jan. 1 to Mar. 31 .....	17.50
3	The Empire State Telephone and Telegraph Co. ....	Telephone service, Jan. 1 to Mar. 31 .....	28.50
3	The Bell Telephone Co. of Philadelphia. ....	do .....	30.00
3	Wm. A. Johnson .....	Services at Delaware Breakwater, Del., Jan. 1 to Mar. 31.	30.00
3	Telephone and Telegraph Construction Co. ....	Rent of telephone, Sault Ste. Marie, Mich., Jan. 1 to Mar. 31.	12.00

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Apr. 3	New York and Philadelphia Telephone and Telegraph Co.	Telephone service, Erie, Pa., Jan. 1 to Mar. 31.	\$6.00
3	Pacific Telephone and Telegraph Co.	Telephone service, San Francisco, Cal., Jan. 1 to Mar. 31.	22.50
3	Sunset Telephone and Telegraph Co.	Rent of telephone, Olympia, Wash., Jan. 1 to Mar. 31.	15.00
3	C. L. Crocker.	Services, Gay Head, Mass., Jan. 1 to Mar. 31.	30.00
3	J. W. Thompson	Rent of telephone, San Diego, Cal., Jan. 1 to Mar. 31.	15.00
3	Jas. M. Gallagher	Services, Washington, N. C., Oct. 1 to Mar. 31.	30.00
3	S. A. Raymond, agent	Rent of office, Cleveland, Ohio, Jan. 1 to Mar. 31.	175.00
3	The Cleveland Telephone Co.	Telephone line service, Cleveland, Ohio, Jan. 1 to Mar. 31.	18.00
3	W. M. Lewis.	Repairing rain gauge, March, 1894.	1.00
3	C. M. Beeson	Office rent, Dodge City, Kans., Jan. 1 to Mar. 31.	97.91
4	Milton Whitney	Preparing and shipping samples of soils, etc.	36.30
10	Henry G. B. Swinhoe	Services, March, 1894.	31.00
10	Pay roll, Charleston, S. C.	Substation salaries, Jan. 1 to Mar. 31.	231.10
10	Pay roll, Lynchburg, Va.	do	54.00
10	Pay roll, New York City, N. Y.	Substation salaries, March, 1894.	61.00
10	Pay roll, Jacksonville, Fla.	Substation salaries, Jan. 1 to Mar. 31.	45.00
10	Pay roll, Woods Holl, Mass.	do	60.00
10	Chicago and Northwestern Rwy. Co.	Transportation, February.	7.98
10	Wm. McLaughlin	Drayage, March.	1.50
10	Pay roll, Wilmington, N. C.	Substation salaries, Jan. 1 to Mar. 31.	48.00
10	Richmond and Danville R.R. Co.	Transportation, February.	10.40
10	J. E. Cairns.	Hauling, February and March.	1.00
10	R. J. Hyatt	Drayage, February and March.	2.50
10	Gust. A. Hoff.	Coal oil, March.	3.25
10	D. S. Hutchinson.	Office rent, Titusville, Fla., Jan. 1 to Mar. 31.	85.74
10	F. M. Brown & Co.	Office rent, New Haven, Conn., Jan. 1 to Mar. 31.	100.00
10	The Southern New England Telegraph Co.	Use of telephone, New Haven, Conn., Jan. 1 to Mar. 31.	31.25
10	The Savannah Board of Trade	Office rent, Savannah, Ga., Jan. 1 to Mar. 31.	78.25
10	Real Estate and Law Building Co.	Office rent, Atlantic City, N. J., Jan. 1 to Mar. 31.	45.49
10	Henry Burmeister	Repairing clocks, March.	5.00
10	Michigan Bell Telephone Co.	Transmitting messages, Nov. 1 to Dec. 31, 1893.	2.80
10	H. B. Cartwright.	Coal oil, March.	1.75
10	U. G. Purcell	Hauling, February.	1.50
10	P. J. Cahill	Transportation and expenses, March.	26.50
10	E. H. Jameson.	Office rent, Spokane, Wash., Jan. 1 to Mar. 31.	64.20
10	Portland Trust Co. of Oregon.	Office rent, Portland, Oreg., Jan. 1 to Mar. 31.	150.00
10	Chas R. Wheeler	Office rent, Columbus, Ohio, Jan 1 to Mar. 31.	125.00
10	E. A. Clarke & Co.	Office rent, Tampa, Fla., Jan. 1 to Mar. 31.	77.82
10	George W. Williams	Office rent, Charleston, S. C., Jan. 1 to Mar. 31.	117.93
10	John L. McCague and Wm. L. McCague.	Office rent, Omaha, Nebr., Jan. 1 to Mar. 31.	168.75
10	Nebraska Telephone Co.	Rent of telephone, Jan. 1 to Mar. 31.	15.00
10	Abbie S. Ingalls	Office rent, Indianapolis, Ind., Jan. 1 to Mar. 31.	90.95
10	Tyree & Wilkins, attorneys.	Office rent, Lynchburg, Va., Jan. 1 to Mar. 31.	67.50
10	The Pennsylvania Telephone Co.	Rent of telephone, Jan. 1 to Mar. 31.	21.00
10	Richard Titus	Services, March.	4.00
10	Margaret Parmentier.	Office rent, Green Bay, Wis., Jan. 1 to Mar. 31.	75.00
10	James B. Lambie	Material for repairing meteorological instruments, March.	7.34
10	F. A. Schneider	Locks and keys, March.	4.20
10	The Smith Premier Typewriter Co.; Frank M. Evans, manager.	One typewriter, March.	87.75
10	F. A. Tschiffely, jr.	Glycerin, March.	7.50
10	Newman & Son	Repairing caligraph, March.	2.50
10	E. Morrison Paper Co.	Steel pens.	21.30
11	Lake Shore and Michigan Southern Railway Co.	Transportation, No. 3068, Oct. 18, 1893.	13.50
11	Carolina Midland Telegraph Co.	Telegrams, January.	2.84
11	J. H. Cameron.	Hauling, February.	2.50
11	T. P. Chaffee	Hauling, December and March.	1.05

## 134 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Apr. 11	Pay roll, Cairo, Ill.	Substation salaries, Jan. 1 to Mar. 31	\$285.50
11	Mary V. E. Pritchett	Services, Atlantic City, N. J., March, 1894	3.00
11	Delaware and Atlantic Telegraph and Telephone Co.	Rent telephone, Jan. 1 to Mar. 31	12.00
11	Joseph Lawrence	Services, Jan. 1 to Mar. 31	21.00
11	Pay roll, Omaha, Nebr.	Substation salaries, Jan. 1 to Mar. 31	35.25
11	East Tennessee Telephone Co.	Telephone service, Jan. 1 to Mar. 31	15.00
11	The City and Suburban Telegraph Association.	do	25.00
11	Southern Bell Telephone and Telegraph Co.	do	16.00
11	Southern New England Telephone Co.	Rent of telephone, Jan. 1 to Mar. 31	15.25
11	Sunset Telegraph and Telephone Co.	do	15.00
11	Iowa Union Telephone Co.	Telephone service, Sioux City, Iowa, Jan. 1 to Mar. 31	12.00
11	H. Overholser	Office rent, Oklahoma City, Okla., Jan. 1 to Mar. 31	101.75
11	Memphis Cotton Exchange Building Co.	Office rent, Memphis, Tenn., Jan. 1 to Mar. 31	120.00
11	G. B. McCoy	Telegraphing, March	6.00
11	Bryant, McEachin & Luce	Office rent, Fort Smith, Ark., Jan. 1 to Mar. 31	90.41
11	Geo. R. Marquette	Services, Jan. 1 to Mar. 31	22.50
11	Hudson River Telegraph Co.	do	15.00
11	Albert Marty	Office rent, Kansas City, Mo., Jan. 1 to Mar. 31	169.49
11	Chicago Auditorium Association.	Office rent, Chicago, Ill., Jan. 1 to Mar. 31	172.56
11	Missouri Pacific Railway Co.	Freight, November, 1893	.61
11	C. H. Mallory & Co.	Freight, February, 1894	2.62
11	Vandalia Line	Freight, January, 1894	1.71
11	Guin & Co.	6 copies of Professor Davis's new work, March	12.75
11	Norfolk and Washington Steamboat Co.	Freight	1.53
11	Troy Steam Laundry Co.	Washing towels, Portland, Oreg., Jan. 1 to Mar. 31	1.50
11	Oregon Telephone and Telegraph Co.	Rent, telephone, Jan. 1 to Mar. 31	22.50
11	Southern Bell Telephone and Telegraph Co.	Rent, telephone, Charleston, S. C., Jan. 1 to Mar. 31	15.00
11	do	do	15.00
11	Iowa Printing Co.	Binding weather maps, March	4.00
11	B. S. Williams	Office rent, Concordia, Kans., Jan. 1 to Mar. 31	66.00
11	H. H. Buhne	Office rent, Eureka, Cal., Jan. 1 to Mar. 31	72.41
11	Catherine Wilson	Office rent, Los Angeles, Cal., Jan. 1 to Mar. 31	104.82
11	R. M. Crawford	Traveling expenses, March	26.00
12	J. M. Cline	Drays, etc., February and March	2.75
12	Foraker & Baldwin	Flags, March	92.00
12	L. N. Jesunofsky	Drayage, February	.70
12	Empire Line	Freight, March	.42
12	Louisville and Nashville R. R.	Freight, January	1.00
12	S. S. Bassler	Office expenses, February and April	1.25
12	R. L. Napper	Packing Weather Bureau property, etc., March	10.00
12	Philadelphia, Reading and Pottsville Telegraph Co.	Telegrams, March	7.50
12	John Bounty	Hauling, March	.75
12	New York and Baltimore Transfer Line.	Freight, March	1.80
12	M. E. Conway	Office rent, Narragansett Pier, R. I., Jan. 1 to Mar. 31	37.74
12	J. B. Palsgrove	Passenger transportation, March	10.00
12	Northern Pacific R. R. Co.	Freight, September and October, 1893	2.62
12	Thos. J. Conry	Drayage, March	5.81
12	New York Central and Hudson River R. R. Co.	Freight, January	2.45
12	A. E. Rouiller	Freight, September, October, and December, 1893	8.50
12	Wm. H. H. Smith	Use of team, January and February	8.00
12	W. H. Rencar	Use of teams, Jan. 13 to Mar. 31	15.60
12	American Exchange Bank, Duluth, Minn.	Office rent, Duluth, Minn., Jan. 1 to Mar. 31	114.47



*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Apr. 12	Lorenzo Littlefield.....	Office rent, Block Island, R. I., Jan. 1 to Mar. 31.	\$42.50
12	J. T. Brown.....	Office rent, Williston, N. Dak., Jan. 1 to Mar. 1.	37.50
12	Weakley & Shields, agents Vanderbilt University.	Office rent, Nashville, Tenn., Jan. 1 to Mar. 31.	112.50
12	G. H. Koch, secretary Masonic Temple Association.	Office rent, Davenport, Iowa, Jan. 1 to Mar. 31.	75.00
12	James Baker.....	Office rent, Springfield, Mo., Jan. 1 to Mar. 31.	68.75
12	J. C. Entwistle.....	Rags, March.....	8.00
12	Samuel Springman.....	Hauling, March.....	4.06
12	First National Bank of Palestine.	Office rent, Palestine, Tex., Jan. 1 to Mar. 31.	78.50
12	Lake Shore and Michigan Southern Rwy Co.	Passenger transportation, March.....	10.00
12	Interocean Telegraph Co.....	Telegrams, January.....	134.13
12	Pay roll, Savannah, Ga.....	Substation salaries, Jan. 1 to Mar. 31.....	36.00
12	Pay roll, Harrisburg, Pa.....	do.....	82.50
12	Barker Bros.....	Repairing bookcase, March.....	2.50
12	Thos. Cleary.....	Services, Jan. 1 to Mar. 31.....	9.00
12	James Higgins.....	Services, Memphis, Tenn., Jan. 1 to Mar. 31.	15.00
12	Memphis Light and Power Co.....	Electric current, March.....	7.18
12	D. J. Young.....	Telephone service, Jan. to Mar. 31.....	9.75
12	Telephone and Telegraph Construction Co.	Telephone service.....	10.00
12	P. Connor.....	Street-car tickets (Kansas City, Mo.), March, 1894.	2.70
12	Pay roll, Mobile, Ala.....	Substation salary, Jan. 1 to Mar. 31.....	45.00
12	G. V. Passailaigue.....	Cleaner, San Antonio, Tex., Jan. 1 to Mar. 31.	9.00
12	Chicago Telephone Co.....	Rent of telephone.....	31.25
12	Frances E. Lesslie.....	Office rent, Colorado Springs, Colo.....	75.00
12	First National Bank of Moorhead.	Office rent, Moorhead, Minn.....	66.31
12	W. L., R. A. & E. H. Andres.....	Office rent, Grand Haven, Mich.....	59.32
12	Samuel de Corse.....	Services as cleaner.....	14.25
12	Staples & Pelan.....	Office rent, Dubuque, Iowa.....	57.12
12	F. L. Jackson, agent.....	Office rent, Yankton, S. Dak., Feb. 16 to Mar. 31.	21.96
12	H. Bolton.....	Office rent, Alpena, Mich., Jan. 1 to Mar. 31.	52.84
12	Pay roll, New Haven, Conn.....	Substation salaries.....	76.50
12	Chesapeake and Potomac Telephone Co.	Rent of telephone.....	25.00
12	Kingsley, Barnes, Nenner Co., Limited.	Binding weather maps.....	5.00
12	H. W. Blaisdell.....	Water, Yuma, Ariz., Jan. 1 to Mar. 31.....	9.00
12	Amarillo Improvement Co.....	Office rent, Amarillo, Tex., Jan. 1 to Mar. 31.	51.75
12	Bell Telephone Co. of Missouri.	Telephone service, St. Louis, Mo., Jan. 1 to Mar. 31.	16.25
12	Anna Faris.....	Washing towels, Jan. 1 to Mar. 31.....	5.25
12	Pacific Club.....	Office rent, Nantucket, Mass., Jan. 1 to Mar. 31.	76.50
12	J. B. Chamberlain.....	Photo plate holders, March.....	3.75
14	H. E. Wilkinson.....	Meals and lodging, Red Bluff, Cal., Jan. 25 to Feb. 8.	15.00
14	New England Telephone and Telegraph Co.	Telegrams, March.....	2.10
14	Pay roll, Narragansett Pier, R. I.	Substation salaries, Jan. 1 to Mar. 31.....	60.00
14	Pay roll, Boston, Mass.....	do.....	437.91
14	Great Southern Telephone and Telegraph Co.	Rent of telephone, Jan. 1 to Mar. 31.....	15.00
14	Arthur L. White.....	Cartage, February.....	.50
14	New York Central and Hudson River R. R. Co.	Freight charges, February.....	1.50
14	Louisville and Nashville R. R.	Freight charges, October, 1893.....	3.03
14	Pythian Land and Building Association.	Office rent, Astoria, Oreg., Jan. 1 to Mar. 31.	75.25
14	Chamber of Commerce Building Co.	Office rent, St. Paul, Minn., Jan. 1 to Mar. 31.	75.21
14	R. S. Dodson.....	Office rent, Norfolk, Va., Jan. 1 to Mar. 31.	131.25
14	Great Southern Telephone and Telegraph Co.	Telephone service, Jan. 1 to Mar. 31.....	25.00
14	S. M. Apperson, administrator estate of J. R. Miller.	Office rent, Little Rock, Ark., Jan. 1 to Mar. 31.	104.55
16	Union Ice Co.....	Ice, Jan. 1 to Mar. 31.....	6.67
16	Broadwater Pepin Co.....	Office rent, Havre, Mont., Jan. 1 to Mar. 31.	90.00
16	P. C. Shaw.....	Washing towels, Jan. 1 to Mar. 31.....	3.00
16	Maggie Frank.....	Services, Jan. 1 to Mar. 31.....	4.50

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Apr. 16	Telephone and Telegraph Construction Co.	Telephone rent, Jan. 1 to Mar. 31 .....	\$24.00
16	do .....	Telephone rent, Middle Island, Michigan, Jan. 1 to Mar. 31 .....	10.00
16	Pay roll, Vicksburg, Miss .....	Substation salaries, Jan. 1 to Mar. 31 .....	168.00
16	Duluth Telephone Co. ....	Telephone service, Jan. 1 to Mar. 31 .....	15.00
16	Pay roll, Montgomery, Ala. ....	Substation salaries, Jan. 1 to Mar. 31 .....	256.50
16	May Huey .....	Services, Jan. 1 to Mar. 31 .....	9.00
16	Southern Bell Telephone and Telegraph Co. ....	Telephone rent, Jan. 1 to Mar. 31 .....	15.00
16	The Central District Printing Telegraph Co. ....	Telephone service, Jan. 1 to Mar. 31 .....	15.00
16	First National Bank of Portland, Me. ....	Office rent, Portland, Me., Jan. 1 to Mar. 31 .....	126.00
17	Mackellar, Smiths & Jordan Foundry. ....	Printers' supplies, March .....	31.19
17	Pay roll, Cincinnati, Ohio .....	Substation salaries, Jan. 1 to Mar. 31 .....	253.50
17	J. W. Branan .....	Services, Port Tampa, Fla., Jan. 1 to Mar. 31 .....	15.00
17	Pay roll, Augusta, Ga. ....	Substation salaries, Jan. 1 to Mar. 31 .....	63.00
17	Cobollie (Indian) .....	Repairing telegraph line, March .....	2.00
17	Johnnie James .....	do .....	2.00
17	R. J. Hyatt .....	Traveling expenses, April .....	23.15
17	Jeff. Davis .....	Repairing telegraph line, etc., March .....	3.00
17	B. B. Meagher .....	do .....	2.00
17	John C. Parker .....	Paper, March 1 .....	114.04
17	do .....	do .....	128.50
18	Carolina Midland Telegraph Co.	Telegrams, February .....	2.68
18	Lee Fisk .....	Services, Ludington, Mich., Jan. 1 to Mar. 31 .....	30.00
18	F. V. Davis .....	Services, Manistee, Mich., Jan. 1 to Mar. 31 .....	30.00
18	Pay roll, Chattanooga, Tenn.	Substation salaries, Jan. 1 to Mar. 31 .....	202.50
18	Pittsboro, Telegraph Line .....	Telegrams, Oct. 1, 1893, to Feb. 12, 1894 .....	2.00
18	Pay roll, Davenport, Iowa .....	Substation salaries, Jan. 1 to Mar. 31 .....	139.50
18	Teche and Vermillion Telegraph Line. ....	Telegrams, Jan. 1 to Mar. 31 .....	15.65
18	Great Southern Telephone and Telegraph Co. ....	do .....	22.20
18	Erie Telegraph and Telephone Co., Little Rock, Ark. ....	Telephone service, Little Rock, Ark., Jan. 1 to Mar. 31 .....	12.00
18	Pay roll, Little Rock, Ark. ....	Substation salaries, Jan. 1 to Mar. 31 .....	40.50
18	Henry L. Kenyon .....	Desk room, Northfield, Vt., Jan. 1 to Mar. 31 .....	6.00
18	Missouri and Kansas Telephone Co. ....	Telephone service, Kansas City, Mo., Jan. 1 to Mar. 31 .....	18.00
18	W. L. Moore .....	Traveling expenses, February, March, and April .....	30.40
18	W. H. Hammon .....	do .....	28.75
20	Broadwater, Pepin Co .....	1 lamp, March .....	.90
20	Riley Watson .....	Office rent, Valentine, Nebr., Jan. 1 to Mar. 31 .....	93.00
20	Campbell & Gregg .....	Towel supply, Jan. 1 to Mar. 31 .....	3.00
20	Missouri and Kansas Telephone Co., Springfield, Mo. ....	Telephone service, Springfield, Mo., Jan. 1 to Mar. 31 .....	12.00
20	M. G. Guy .....	Charcoal, acid, etc., March .....	5.05
20	Louisville Towel Supply Co. ....	Towels, Louisville, Ky., March .....	3.00
20	Stockgrowers' National Bank, Miles City, Mont. ....	Office rent, Miles City, Mont., Jan. 1 to Mar. 31 .....	54.00
20	Horace B. Stevens, attorney in fact for Lucius M. Sheldon. ....	Office rent, El Paso, Tex., Jan. 1 to Mar. 31 .....	84.42
20	George S. Waite .....	Office rent, Key West, Fla., Jan. 1 to Mar. 31 .....	103.86
20	Joseph A. Smith .....	Office rent, Idaho Falls, Idaho, March .....	30.00
20	Pay roll, Pittsburg, Pa. ....	Substation salaries, Jan. 1 to Mar. 31 .....	500.50
20	Pay roll, St. Louis, Mo. ....	do .....	221.25
20	Park Morrill .....	Expenses, April .....	16.50
20	Pay roll, St. Louis, Mo. ....	Substation salaries, February and March .....	12.25
20	May Huey .....	Services, April 1 to 10 .....	1.00
20	John C. Webb .....	Services, Jan. 1 to Mar. 31 .....	20.75
20	Pay roll, Portland, Oreg. ....	Substation salaries, Jan. 1 to Mar. 31 .....	75.00
20	E. Biondi .....	Services, Port Townsend, Wash., Jan. 1 to Mar. 31 .....	30.00
20	Pay roll, New Orleans, La. ....	Substation salaries, Jan. 1 to Mar. 31 .....	256.25
20	Pay roll Raleigh, N. C. ....	do .....	126.00
20	J. R. Hudson .....	Repairing clock, March .....	2.00
20	Northwestern Telephone Exchange Co. ....	Service and rent of telephone, Jan. 1 to Mar. 1 .....	18.00
20	Wm. Burgess .....	Wire, March .....	3.20
20	Great Southern Telephone and Telegraph Co. ....	Rent of telephone, Jan. 1 to Mar. 31 .....	15.00
20	Kate E. Reynolds .....	Services as cleaner, Jan. 1 to Mar. 31 .....	15.00
20	Robert Sherrard .....	Services, March .....	3.00
20	Elizabeth H. Hobbs .....	do .....	3.00

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Apr. 20	Missouri and Kansas Telephone Co.	Rent telephone, Jan. 1 to Mar. 31	\$21.00
20	Wisconsin Telephone Co.	Telephone service, Jan. 1 to Mar. 31	25.00
20	Fred. Strauss	Repairing clock, etc., April	2.00
20	J. B. Marbury	Washing towels, etc., Jan. 1 to Mar. 31	7.30
20	Anna M. Grover	Office rent, Keeler, Cal., Jan. 1 to Mar. 31	85.91
20	D. P. McCallum	Traveling expenses, February	24.15
21	Toilet Supply Co.	Toilet supplies, March	1.50
21	Chicago, Milwaukee and St. Paul Rwy. Co.	Freight charges, September, 1893.	2.78
21	do.	Freight charges, October, 1893	.83
21	do.	Freight charges, September, 1893.	.42
21	Des Moines, Northern and Western Rwy. Co.	Freight charges, January, 1894	2.82
21	Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.	Freight charges, August, 1893.	.86
21	do.	Freight charges, September, 1893.	9.39
21	John J. Masterson	Drayage, March, 1894.	1.50
21	C. H. Mallory & Co	Freight charges, October, 1893	6.82
21	Chas. Shea	Services, Jan. 1 to Mar. 31	30.00
21	F. E. Lee	Repairing roof, etc., March	35.00
21	Central District Printing and Telegraph Co.	Rent of telephone, Jan. 1 to Mar. 31	12.50
21	Charles C. Hayman	Services, Jan. 1 to Mar. 31	7.50
21	L. N. Jesunofsky	Traveling expenses, April	8.75
21	Southern Bell Telephone and Telegraph Co.	Telephone service, Jan. 1 to Mar. 31	15.00
21	Adams Express Co.	Express charges, March	2.90
30	H. E. Wilkinson	Traveling expenses, January and February.	13.00
30	L. Winters et al	Printing office roll for April	1,771.67
30	Laura F. Hawkins	Climatology roll for April	82.40
30	J. P. Alexander	do	98.90
30	Robert Mayers Co	Ink, March	20.00
30	M. Cotter	Use horse and dogcart, Jan. 1 to Mar. 31	31.25
30	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.	Telegrams, March	98.90
30	Talbotton Enterprise Telegraph Co.	Telegrams, February and March	3.60
30	Pay roll, Nantucket, Mass.	Substation salaries, Jan. 1 to Mar. 31	45.00
30	Milbridge and Cherryfield Telegraph Co.	Telegrams, Jan. 1 to Mar. 31	6.40
30	Rising Sun Telegraph Co.	do	8.50
30	A. A. Day	Use of team, Jan. 1 to Mar. 31	5.70
30	E. T. Shriver	Services, Jan. 1 to Mar. 31	9.00
30	S. C. Prickett	Repairing desks, etc., April	10.00
30	F. H. Clarke	Traveling expenses, March and April	40.35
30	Nelson Hughes	Expenses in repairing telegraph line, March.	14.00
30	H. H. Cinley	Drayage, etc., April	2.75
30	Julien P. Friez	Repairing anemometers, etc., March and April.	225.60
30	Carolina Midland Telegraph Co.	Telegrams, March	2.92
30	Chicago, Burlington and Northern R. R. Co.	do	2.80
30	Thomaston and Barnesville Telegraph Line.	do	1.50
30	R. H. Polk	Services, March	10.00
30	Lenoir and Blowing Rock Telegraph Co.	Telegrams, Jan. 1 to Mar. 31	9.00
30	Great Northwestern Telegraph Co. of Canada.	Telegrams, March	121.48
30	Geo. W. Davis	Constructing and removing old building, April.	15.00
30	F. R. Pate	Services, April	1.00
30	Sylvester Mackey	Painting and repairing, April	1.50
30	F. P. Chaffee	Expenses, April.	32.83
30	J. O. Singley	Painting and repairing instrument shelter, April.	2.00
30	W. A. Saffold	Repairing caligraph, April	5.00
30	C. I. Colbert	Painting, etc., instrument shelter, April.	2.25
30	Pay roll, Atlanta, Ga.	Substation salaries, Jan. 1 to Mar. 31	234.75
30	Atlanta Telephone Exchange	Rent telephone, Jan 1 to Mar. 31	17.00
30	Horace A. Tilton	Repairing table, April	2.00
30	W. T. Phillips	Painting river gauge, April	10.00
30	Southern Bell Telephone and Telegraph Co.	Telephone service, April	15.00
30	Harry A. Sayles	Packing, etc., bookcase, April.	7.50
30	Wm. Ballantyne & Sons.	Map paper, etc., March	142.70
30	Forsberg & Murray	Repairs to stitching machine, March	3.50



Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Apr. 30	Melville Lindsay	1 pound of cement, April	\$0.75
30	Andrew Renz	Sharpening paper knives, April	3.00
30	Easton & Rupp	Envelopes, March	22.25
30	W. B. Moses & Sons	Linoleum, April	16.90
30	C. Herbert	Leather for air-pump washers, April	.25
30	Andrew B. Graham	Work for barograph, March	3.00
30	John C. Parker	Paper, April	134.46
30	E. D. Franz	Slop bucket, etc., March	2.45
30	I. C. Swearingen	Copying ink, etc., March	5.10
30	D. M. Lochen	Repairing telegraph line, March	1.75
30	J. B. Roberts	do	1.75
30	J. R. Clinton	Repairing telegraph line and use of boat, January	7.00
30	Walter O. Luscombe	Hauling, etc., April	5.00
30	The Friedenwald Co.	Weather maps, April	1,812.50
30	I. C. Duncan, lessee, Knoxville, Ohio, telegraph line.	Telegrams, Dec. 1, 1893, to Mar. 31, 1894	24.20
30	Sam'l Levy	Lumber, April	45.00
30	Herman Baumgarten	Rubber type, etc., March	19.60
May 1	Sunset Telephone and Telegraph Co.	Rent telephone	12.00
1	Pay roll, Cincinnati, Ohio	Substation salaries	52.50
1	Jas. S. Hepburn	Bracing flagstaff	20.00
1	J. N. Ryker	Repairing and cleaning caligraph	3.50
1	The Boyd Transportation and Fuel Co.	Drayage	1.35
1	J. B. Palsgrove	Transportation	10.00
1	L. J. Marbry	Services	1.50
1	E. T. Gaillard	do	1.50
1	S. J. Russell	do	1.50
1	B. J. Allen	do	1.50
1	J. S. Crum	Repairing instrument shelter	2.00
1	E. C. Ewer	Repairing telegraph line, etc	5.00
1	Alamo Fire Insurance Co.	Office rent, San Antonio, Tex	75.00
1	Black Hills Telegraph and Telephone Co.	Rent of instruments and telephone service.	21.00
1	Astoria Gaslight Co	Gas	7.84
1	Tom Dorsey	Repairing and painting instrument shelter	3.00
1	L. L. Scott	Repairing and painting instrument shelter, etc.	1.50
1	J. F. Nolen	Services	3.00
1	Walter Trousdale	Repairing instrument shelter, etc	.75
1	James Evans	Services	9.00
1	G. G. Wickson & Co	Repairing typewriter	20.00
1	E. T. Spencer	Repairing stamp	.75
1	City Gaslight Co., Norfolk, Va	Electric light	6.00
1	C. E. Haynes	Services	15.00
1	Washington Libbey	Erecting support for sunshine recorder	3.00
1	John Fitzsimmons	Services	3.00
1	O. L. McKay	do	1.50
1	E. Burke	do	3.00
1	Walter O. Luscombe	Carting	2.50
1	Wm. H. Goffin	Repairing telegraph line	5.00
1	John Glynn	do	5.50
2	Church Stephenson	Lumber	23.22
2	W. W. Dent	Expenses	4.10
2	H. F. Alciatore	Drayage	1.50
2	W. J. Tate	Forage	29.25
2	F. L. Graham	Expenses	7.80
2	F. Rees Woolford & Co	Oil and benzine	30.66
2	D. Fisher	Traveling expenses	163.75
2	Wisconsin Marine and Fire Insurance Co. Bank.	Rent of office, Milwaukee, Wis.	
2	W. H. Richardson	Mucilage and hauling	1.25
2	Park Morrill	Painting and repairing	5.05
2	J. C. Entwistle	Engraving and mounting charts	5.00
2	Wisconsin Telegraph Co	Telephone exchange rental	12.00
2	B. P. Nickerson	Repairing telegraph lines and use of team	6.50
2	G. W. Leberman	Repairs to flagstaff	2.50
2	Chas. E. Redell	do	2.50
2	Geo. Yandell	Changing position of instrument shelter	3.00
2	B. W. Dalby	do	3.00
2	John Lanigan	do	3.00
2	Galveston Cotton Exchange	Rent of office, Galveston, Tex	78.25
2	D. P. McCallum	Expenses	7.13
2	Geo. A. Loveland	do	6.40
2	Kohler Manufacturing Co	Duplicating ink	134.40
2	Chas. M. Stoever	Map paper	495.00
2	G. G. Robissar	Services	3.00
2	D. H. Holmes	Envelopes	1.50

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
May 5	O. D. Stewart .....	Hauling, etc. ....	\$2.90
5	Park Morrill .....	Washing towels, drayage, etc. ....	3.70
5	A. F. Green .....	Roller, type cleaner, etc. ....	4.35
5	M. H. Lazarus .....	Water cooler .....	4.25
5	Harry Myers .....	Typewriter .....	87.75
5	John J. Veeder .....	Telegraph poles, etc. ....	35.00
5	Chas. F. Gregor .....	Services as cleaner .....	5.00
5	John Edwards .....	do .....	3.00
5	Pay roll, New York City .....	Substation salaries .....	61.00
5	Ellen Hammond, trustee .....	Office rent, Detroit, Mich. ....	637.50
5	W. M. Case .....	Services .....	40.00
5	Will A. Van Duzer .....	do .....	20.00
5	Sarah A. Crittenden .....	do .....	1.50
5	J. M. Cox .....	do .....	1.50
5	New England Telegraph and Telephone Co. ....	Rent of telephone, Portland, Me. ....	12.50
5	do .....	Service of telephone, Portland, Me. ....	10.21
5	D. P. McCallum .....	Traveling expenses .....	24.20
5	G. C. Farley .....	Repairing typewriter .....	5.15
5	Henry G. B. Sunihoe .....	Services .....	30.00
5	W. S. Gosnell .....	do .....	5.00
5	Salt Lake Board of Trade .....	Office rent, Salt Lake City .....	137.50
5	John C. Parker .....	Paper, etc. ....	981.60
7	Cape Horn Telegraph Co. ....	Telegrams .....	1.60
7	Cumberland Telegraph and Telephone Co. ....	do .....	55.90
7	Baltimore and Potomac R. R. Co. ....	Freight charges, etc. ....	9.27
7	P. F. Lyons .....	Carting .....	1.00
7	Kingwood and Cranberry Telegraph Co. ....	Telegrams .....	17.10
7	Leon J. Gloenzer & Co. ....	Statoscope .....	90.00
7	Seaboard Air Line .....	Transportation .....	20.75
7	Louisville and Bartow Telegraph Line. ....	Telegrams .....	2.80
7	Chas. M. Stoevers .....	Paper, etc. ....	125.93
7	Bay City and Tillamook Telegraph Co. ....	Telegrams .....	.70
7	Wyoming Midland Telegraph Co. ....	Transmitting weather reports .....	11.20
7	U. G. Purcell .....	Hauling .....	1.00
7	Chicago and Northwestern Rwy. Co. ....	Transportation .....	2.55
10	Great Northern Telegraph Co. of Canada. ....	Telegrams .....	.71
10	Buck Bradley .....	Repairing typewriter .....	1.00
10	James Nash Webb .....	do .....	15.00
10	The Cincinnati, Hamilton and Dayton R. R. Co. ....	Transportation .....	3.30
10	Queen & Co., incorporated .....	Repairing microscope .....	12.75
10	Baltimore and Ohio Southwestern Rwy. Co. ....	Freight charges .....	17.54
12	Duluth, South Shore and Atlantic Rwy. Co. ....	do .....	2.38
12	Pennsylvania R. R. Co. ....	do .....	2.06
12	do .....	do .....	1.06
12	Baltimore and Ohio Southwestern Rwy. Co. ....	do .....	2.08
12	Richmond and Danville R. R. Co. ....	do .....	2.58
12	John H. Starin .....	do .....	.90
12	Atchison, Topeka and Santa Fe R. R. Co. ....	do .....	28.79
12	The Wabash R. R. Co. ....	do .....	1.42
12	Brush Electric Light and Power Co. ....	Electric lights, Galveston, Tex. ....	13.75
12	Southwestern Telegraph and Telephone Co. ....	Telephone service, Galveston, Tex. ....	12.00
12	Strickland Printing Co. ....	Printing crop bulletin .....	13.00
12	Cleveland, Cincinnati, Chicago and St. Louis Rwy. ....	Freight charges .....	1.33
12	Omaha and St. Louis Rwy. Co. ....	do .....	2.66
12	Baltimore Steam Packet Co. ....	do .....	2.31
12	Valentin Montoya .....	Services .....	5.00
12	New York Central and Hudson River R. R. Co. ....	Freight charges .....	1.58
12	do .....	do .....	.83
12	Mary V. E. Pritchett .....	Services .....	3.00
12	Richard Titus .....	do .....	4.00
12	W. H. Wood & Co. ....	Office rent, Sacramento, Cal. ....	25.00
12	Bausch and Lomb Optical Co. ....	Continental microscope, etc. ....	134.78
14	J. Baumgarten & Sons .....	1 stamp, etc. ....	5.00

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
May 14	Newman & Son .....	Repairing typewriter .....	\$6.50
15	O. J. Kormick .....	Binding weather maps .....	5.00
15	F. W. Krichelt .....	Traveling expenses .....	19.55
15	Postal Telegraph Cable Co. ....	Telegrams .....	7.50
15	W. C. Ralph .....	Painting instrument shelter .....	1.00
15	A. Losset .....	Services and material for new instrument shelter .....	4.00
15	A. Blount .....	Painting instrument shelter, etc .....	1.50
15	International Ocean Telegraph Co. ....	Telegrams .....	122.12
15	do .....	do .....	113.87
15	Benjamin W. Burgess .....	Work for storm-signal lanterns .....	2.00
15	Wm. B. Burford .....	Binding maps .....	2.50
15	D. B. Fotheringham .....	Halyards .....	4.50
15	Philadelphia, Reading and Pottsville Telegraph Co. ....	Telegrams .....	7.20
15	P. H. Smyth .....	Traveling expenses .....	29.83
15	J. H. Bickford .....	Services .....	15.00
15	E. A. Turner .....	Repairing instrument shelter .....	.50
15	Sam. Perrin .....	do .....	1.50
15	Toilet Supply Co. ....	Toilet service .....	1.50
15	Julien P. Friez .....	Soil tubes, etc .....	22.50
15	F. P. May & Co. ....	Waste cotton .....	42.50
15	Wm. Ballantyne & Sons .....	Paper, etc .....	416.50
15	Easton & Rupp .....	Ink .....	31.50
15	Milton Whitney .....	Traveling expenses .....	2.06
15	Joseph Chilberg .....	Office rent, Olympia, Wash .....	26.50
15	Jas. A. Barry .....	Expenses .....	21.22
15	A. Losset .....	Repairs to instrument shelter, etc .....	1.00
15	Robert Sherrard .....	Services .....	3.00
15	Emma Ling .....	do .....	10.00
15	Will Mort Small .....	Painting flagstaff .....	4.50
15	James E. Worth .....	Reefing halyards .....	3.00
15	Memphis Light and Power Co. ....	Electricity .....	4.54
15	Geo. Ryneal, jr. ....	Benzine, etc .....	1.55
15	F. A. Schneider .....	Watering can .....	7.35
15	Charles Becker .....	Turpentine .....	2.10
15	Henry H. Brown .....	Petri dishes, etc .....	10.42
15	Z. D. Gilman .....	Fruit jars .....	114.00
15	J. Stewart .....	Labor .....	7.88
16	The Friedenwald Co. ....	Wrappers and manila paper .....	645.90
16	Arkansas Democrat Co. ....	Printing weekly weather crop bulletin .....	7.00
16	P. Connor .....	Street-car tickets .....	2.50
16	W. H. Veerhoff .....	Map frames .....	107.50
18	W. N. French .....	Services .....	150.00
18	W. M. Richards .....	Removing instruments, etc .....	19.50
18	South Florida Telegraph Co. ....	Telegram .....	.20
18	W. M. Wilson .....	Traveling expenses .....	40.84
18	F. O. Bailey & Co. ....	Repairing case .....	1.00
18	The Chesapeake and Ohio Railway Co. ....	Transportation .....	12.00
18	New England Telephone and Telegraph Co. ....	Telegrams .....	1.60
18	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co. ....	Telegrams .....	11.78
18	Geo. Meier & Co. ....	Ink .....	10.50
18	Wm. McLaughlin .....	Drayage .....	10.00
18	G. B. McCoy .....	Telegrams .....	6.00
18	F. L. Graham .....	Expenses .....	2.45
18	Northern Central Rwy. Co. ....	Freight charges .....	1.99
18	J. H. Elliott .....	Changing position of instrument shelter .....	3.00
18	Baltimore and Ohio Rwy. ....	Freight charges .....	3.82
18	C. H. Mallory & Co. ....	do .....	9.91
18	Star Union Line .....	do .....	1.41
18	do .....	do .....	.67
18	Fremont, Elkhorn and Missouri Valley R. R. Co. ....	do .....	.84
18	The Knickerbocker Co. ....	Ice .....	5.32
18	Liberty Howard .....	Cleaning carpet .....	2.75
18	John C. Goodrich .....	River gauge .....	10.00
18	J. C. Entwistle .....	Engraving chart .....	5.00
26	John A. Roebing's Sons Co. ....	Telegraph wire .....	147.60
26	do .....	Cable reels .....	32.00
26	Robert E. Herkam .....	Traveling expenses .....	63.55
26	Stout & Schmidt .....	Hauling .....	1.00
26	F. H. Drake .....	Painting and repairing .....	7.00
26	E. C. Ewer .....	Repairs, etc .....	7.00
26	Norfolk, Albemarle and Atlantic R. R. Co. ....	Freight charges .....	.75



*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
May 26	Wyoming Midland Telegraph Co.	Telegraph service.....	\$11.40
26	The Wabash R. R. Co.	Freight charges.....	1.94
26	Thomas J. Conry	Drayage.....	5.07
26	Nelson Hughes	Services.....	12.25
26	John Schenck	Frame for milliograph.....	1.50
26	New York Central and Hudson River R. R. Co.	Transportation.....	1.38
26	Leon J. Gloenzer & Co.	Bulbs for thermographs.....	23.22
26	Russell & Irwin	Repairing stove.....	2.00
26	Elizabeth H. Hobbs	Services.....	3.00
26	A. M. Schweich	Hauling.....	1.50
26	F. J. Hart	Services and use of horse.....	5.00
26	W. T. Galliher & Bro.	Lumber.....	7.43
26	The Standard Engraving Co.	Engraving plates.....	75.00
26	J. H. Chesley & Co.	Glue.....	.48
26	F. A. Tschiffely, jr.	Gum arabic, etc.....	14.52
26	Newman & Son	Repairing caligraph.....	5.30
26	Andrew Renz	Sharpening knives.....	3.00
26	E. Morrison Paper Co.	Paper and ink.....	67.75
26	Adams Express Co.	Express charges.....	34.01
26	C. B. Fenton & Co.	Recasting rollers.....	9.00
26	F. P. May & Co.	Brass screws.....	1.76
26	Enterprise Telegraph Co.	Telegrams.....	1.10
26	Tidewater Telephone Co.	Transmitting messages.....	2.00
26	do	do.....	.70
26	Jas. O. Barry	Repairing instrument shelter.....	1.60
26	Baltimore and Ohio Southwestern Rwy. Co.	Transportation.....	14.75
26	Cape Horn Telegraph Co.	Telegrams.....	1.40
26	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.	do.....	1.06
26	Louisville and Bartow Telegraph Line.	do.....	2.20
26	A. J. Schenck	do.....	8.68
26	F. H. Clarke	Hauling.....	1.50
26	Great Northwestern Telegraph Co. of Canada.	Telegrams.....	120.69
26	Pacific Postal Telegraph Cable Co.	do.....	6.34
26	Northern Central Rwy. Co.	Freight charges.....	1.33
26	Charleston and Savannah Rwy. Co.	do.....	.45
26	Riverside Cartage Co.	do.....	2.65
26	Julien P. Friez	Pens.....	15.00
26	H. A. Morgan	Repairing instrument shelter, etc.....	6.00
26	E. Begnaud	do.....	2.00
26	C. P. Babcock	do.....	3.50
26	Herman Baumgarten	Rubber logotypes.....	200.00
26	James B. Lambie	Pins, etc.....	5.85
26	L. M. Howard	Transmitting river reports.....	22.50
26	Telephone and Telegraph Consolidated Co.	Rental of telephone.....	2.89
26	Mount Holly Paper Co.	Linen chart paper.....	52.50
26	C. M. Ling	Repairing iron tripod, etc.....	2.10
26	J. W. Bauer	Drayage, kerosene, etc.....	1.45
26	Frank S. Young	Repairing instrument shelter.....	5.00
26	F. S. Hammond	do.....	6.00
26	J. Coley	do.....	2.50
26	W. F. Roberts	Cleaning writing machine.....	7.00
26	Niobrara Stage Transportation Co.	Transportation.....	16.50
26	P. H. Smyth	Repairing instrument shelters.....	5.05
26	Western Union Telegraph Co.	One message.....	.22
26	W. T. Blythe	Traveling expenses.....	11.97
26	Chas. B. Smith	Repairing roof.....	5.00
26	Silas Carle	Repairing instrument shelter, etc.....	125.00
26	Z. L. Parmelee Co.	One filter jug.....	3.35
26	H. C. Frankenfield	Cartage.....	.75
26	Charles Fanez	Repairs to instrument shelter, etc.....	5.00
26	Iowa Printing Co.	Binding.....	1.25
26	Forsberg & Murray	Brass ring.....	1.50
26	John Schultzbach	Standard rain gauges.....	136.00
26	W. D. Brace	Carbolic acid.....	.30
26	N. V. Randolph & Co.	Red cloth trays.....	14.00
28	Western Union Telegraph Co.	Telegrams.....	10,337.77
31	Laura F. Hawkins	Salary.....	85.20
31	J. P. Alexander et al.	Salaries.....	122.80
31	L. Winters et al.	do.....	1,893.40
31	W. L. Moore	Expenses.....	43.50

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
May 31	W. H. Hammon	Expenses	\$39.00
June 1	Jas. A. Barry	Traveling expenses	5.75
1	Carolina Midland Rwy. Co.	Telegrams	2.50
1	Chicago, Burlington and North- ern R. R. Co.	do	1.39
1	J. H. Mann	Letter copying books	12.40
1	E. J. Brooks & Co.	Halyards, etc.	10.56
1	H. E. Smith	Letterpress copying book	1.30
1	W. W. Wall	Repairs to shelter	6.00
1	David Forrest	Services, etc.	3.00
1	Chas. L. Roehm	Binding weather maps	2.50
1	Easton & Rupp	1 bulletin file	1.00
1	James B. Lambie	Brass rods	1.10
1	M. J. Adler	Handsaw	1.40
1	Geo. Ryneal, jr.	Benzine	.80
1	Alabama Midland Rwy. Co.	Transportation	10.50
1	Carrie M. Frahm	Services	5.00
1	Talbotton Enterprise Tele- graph Co.	Telegrams	1.50
1	Jas. S. Hayburn	Services and material	25.00
1	Pay roll, Charleston, S. C.	Substation salaries	21.30
1	C. H. Burdick	Halyards	1.50
1	J. J. Cassidy	Services	22.50
1	J. L. Lehuery	Services and material	18.75
1	John McDonald	Erecting wind vane, etc.	5.00
1	J. B. Chamberlain	Photo. films	1.55
4	Jacksonville and St. Johns Bar Telegraph Co.	Telegrams	42.43
4	Dennison Manufacturing Co.	Card holders	18.20
4	Geo. Meier & Co.	Ink	11.00
4	Chas. M. Stoever	Paper	67.42
4	International Ocean Telegraph Co.	Telegrams	107.16
4	W. M. Case	Services	29.68
4	Henry G. B. Swinhoe	do	31.00
4	Pay roll, New York, N. Y.	Substation salaries	61.00
4	C. P. Babcock	Erecting combined wind vane and ane- mometer support.	12.00
4	Joseph Chilberg	Office rent, Olympia, Wash.	12.82
4	do	Services	16.00
4	Edgar Levy	Repairing instrument shelter	2.50
4	J. H. Chesley & Co.	Mallets	.60
5	John C. Parker	Index cards, etc.	7.00
5	do	Express tags	10.50
5	Western Union Telegraph Co.	Telegrams and rent of cable	10,782.65
9	Valentin Montoya	Services	5.00
9	J. P. Antisdell	do	5.00
9	M. E. Blystone	Traveling expenses	9.45
9	W. S. Gosnell	Services	5.00
9	John Edwards	do	3.00
9	Will Van Duzer	do	20.00
9	Thos. Sample & Bros.	Moving and repairing instrument shelter	4.00
9	Illinois Central R. R. Co.	Transportation	10.90
9	New York Central and Hudson River R. R. Co.	Freight charges	.77
9	E. C. Ewer	Repairing United States telegraph line	6.00
9	do	do	4.00
9	Eimer & Amend	Filters	1.20
9	H. C. Frankenfield	Traveling expenses	6.00
9	J. Edward Turton	Rain-gauge packing boxes	38.00
9	Johnson, Garner & Co.	Millinet	2.32
9	James B. Lambie	Lock	.40
9	New England Telephone and Telegraph Co.	Telegrams	19.95
9	Chesapeake, Ohio and South- western Rwy. Co.	do	3.40
9	W. H. Wood & Co.	Ink, mucilage, etc.	2.50
9	W. H. Hammon	Traveling expenses	26.25
9	The Perry Stove Co.	Fire pot	1.90
9	P. Connor	Street-car tickets	2.60
9	W. M. Whyte & Bro.	Iron tank	3.50
9	Henry McShane Manufacturing Co. of Baltimore City.	5 pounds block tin	2.20
9	Z. D. Gilman	Rubber stoppers, kaolin, etc.	4.80
9	J. Steuart	Labor	20.25
9	Elmore Chase	Ink, etc.	1.80
9	W. L. Robinson	Repairing telegraph lines	1.50
9	J. A. White	Services	1.50
9	R. C. Orrell	Use of team and repairing telegraph lines	6.00
9	Chas. B. Vetter	Repairing and removing wind vane, etc.	12.00

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
June 9	C. F. Gregor.....	Services.....	\$5.00
9	Geo. Pryor.....	do.....	2.00
9	John J. Veeder.....	Use of steam launch and repairing telegraph lines.....	5.00
9	U. G. Myers.....	Repairs to clock.....	1.00
9	H. G. Shimonek.....	Reeving halyards.....	5.00
9	Geo. A. Merithew.....	Use of team and repairing telegraph lines.....	3.00
9	Louisville and Nashville R. R.....	Freight charges.....	1.18
9	Great Northern Rwy. Co.....	do.....	.49
9	Northern Pacific R. R. Co.....	do.....	1.17
9	Stuart G. Spier.....	Typewriter platen.....	2.00
9	Toilet Supply Co.....	Toilet service.....	1.50
9	Elizabeth H. Hobbs.....	Services.....	3.00
9	Mary V. E. Pritchett.....	do.....	3.00
9	Northern Central Rwy. Co.....	Transportation.....	9.75
9	United States Express Co.....	Expressage.....	1.25
11	G. H. Willson.....	Hauling.....	4.00
11	Henry J. Green.....	Brass supports for thermometers.....	27.50
11	Bruntz & Breeding.....	Hauling.....	.75
11	J. C. Pope.....	Printing bulletins.....	7.50
11	A. S. Frierson.....	Services.....	15.25
11	Pennsylvania R. R. Co.....	Freight charges.....	.72
11	Vandalia Line.....	do.....	3.30
11	Baltimore and Ohio South-western Rwy. Co.....	do.....	25.48
11	Chicago, Milwaukee and St. Paul Rwy. Co.....	do.....	8.21
11	do.....	do.....	22.75
11	Richard Titus.....	Services.....	4.00
11	M. E. Blystone.....	Expenses.....	7.85
11	Baltimore and Ohio South-western Rwy. Co.....	Freight charges.....	1.52
18	Golding & Co.....	Plymouth Rock mailer.....	12.91
18	Kohler Manufacturing Co.....	Ink.....	4.00
18	John A. Roebing's Sons Co.....	Cable reel.....	10.00
18	Memphis Light and Power Co.....	Electricity.....	4.12
18	G. B. McCoy.....	Telegrams.....	6.00
18	Sam'l de Corse.....	Services.....	9.50
18	Peter Jones.....	Hauling.....	.75
18	J. N. Ryker.....	Hauling, etc.....	1.10
18	Joe Clinch.....	Repairing rain gauge.....	.50
18	H. A. Stoddard.....	Typewriter ribbons.....	2.00
18	Frank Fiester.....	Painting.....	5.00
18	C. J. Vowinkel.....	Benzine, etc.....	1.10
18	P. McCarthy.....	Oil.....	2.40
18	Geo. S. Wills.....	Services.....	5.70
18	H. A. Yergerson.....	Repairing chair.....	1.00
18	Philadelphia, Reading and Pottsville Telegraph Co.....	Telegrams.....	8.20
18	W. L. Moore.....	Traveling expenses.....	16.50
18	H. N. E. Gleason.....	Room and board.....	3.00
18	Edwin E. Row.....	Traveling expenses.....	5.00
18	J. Edw. Turton.....	Packing boxes, etc.....	11.40
18	International Ocean Telegraph Co.....	Telegrams.....	703.09
18	Pay roll, Montgomery, Ala.....	Substation salaries.....	139.35
18	Illinois Central R. R. Co.....	Freight charges.....	1.83
18	Northern Pacific R. R. Co.....	Transportation.....	7.00
18	do.....	do.....	7.00
18	Atlanta and West Point R. R. Co.....	Freight charges.....	.74
18	Max Wagner.....	Repairs.....	1.64
18	H. J. Little.....	Services.....	3.00
18	Geo. T. Bedell.....	Renovating and relaying carpet.....	4.00
18	J. C. Pope.....	Binding maps.....	10.00
19	Kohler Manufacturing Co.....	Liquid gum.....	2.25
19	Homan & Roehl.....	Packing.....	10.50
19	Queen & Co., incorporated.....	Leather washers, etc.....	.32
19	Chas. T. Abeles & Co.....	Glass.....	.60
19	Gazette Publishing Co.....	Binding maps.....	3.00
19	Wm. A. Jenkins.....	Erecting flagstaff.....	25.00
19	W. P. Wallace.....	Ink, mucilage, etc.....	4.45
19	Baltimore and Ohio R. R. Co.....	Freight charges.....	76.54
19	Forker & Baldwin.....	Flags.....	93.64
19	do.....	do.....	247.50
19	Delaware, Lackawanna and Western R. R. Co.....	Transportation.....	15.75
19	P. H. Seewald.....	Cleaning clock.....	2.00
19	New England Telephone and Telegraph Co.....	Telegrams.....	1.80



Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
June 19	The Talbotton Enterprise Tele- graph Co.	Telegrams .....	\$0.70
19	Hailman Printing Co.	Binding maps .....	5.00
19	Glineburg & Johnson.	Repairs to building, etc.	95.00
19	W. H. Harrah	do .....	30.00
19	Chas. Becker	Glass .....	11.50
19	Geo. Ryneal, jr.	Benzine .....	.80
19	Fred. A. Schmidt	Rain-measuring sticks.	6.00
20	C. Hanford	Mimeograph silk .....	.90
20	H. E. Smith	Traveling expenses	19.50
20	H. J. Cox	Cartage, etc.	5.45
20	Robert Little	Hauling .....	.50
20	Levytype Co.	Electrotypes .....	20.00
20	G. H. Willson	Traveling expenses	10.80
20	B. S. Pague	do .....	13.00
20	F. J. Hart	Use of horse .....	6.00
20	T. J. Leaton	Binding maps .....	1.50
20	Henson-Robinson Co.	Repairs .....	12.00
20	Adams Express Co.	Expressage .....	16.05
20	United States Express Co.	do .....	11.35
21	Vandalia Line	Transportation .....	7.50
21	Franklin Printing Co.	Binding books .....	3.00
21	Baltimore and Ohio R. R. Co.	Transportation .....	11.40
21	C. A. Smith	Drayage .....	.50
21	San Antonio and Aransas Pass Rwy. Co.	Freight .....	.74
21	Baltimore and Ohio R. R. Co.	do .....	14.46
21	New York Central and Hudson River R. R. Co.	do .....	.83
21	Geo. A. Loveland	Expressage .....	1.85
21	Chicago, Burlington and North- ern R. R. Co.	Telegrams .....	1.41
21	Greg. G. Wright & Son.	Recasting roller .....	2.25
21	Isaac W. Brewer	Traveling expenses	1.50
21	Nelson Hughes	Services .....	3.50
21	Pennsylvania R. R. Co.	Transportation .....	3.75
21	Geo. W. Knox Express	Freight and drayage.	1.92
25	N. T. Bryant	Services .....	9.20
25	W. C. Marston	do .....	25.00
25	Pay roll, Nashville, Tenn.	Substation salaries.	63.00
25	D. B. Logan	Services .....	6.10
25	J. E. A. Harris	do .....	10.00
25	W. B. Phillips	Painting .....	5.00
30	J. P. Alexander et al.	Salaries .....	118.60
30	L. Winters et al.	do .....	1,844.53
30	Laura F. Hawkins	Salary .....	82.40
	Total fourth quarter .....		55,362.08
	Supplemental.		
July 2	Marietta Abbey	Bulletin boards .....	28.00
2	Chas. Cooper & Co.	Ammonia .....	5.25
2	Queen & Co., incorporated	Thermometers .....	425.00
2	The Ohio Valley Telephone Co.	Telephone service .....	10.94
2	Edward Drinkwater	Telegraph poles .....	350.00
2	Curtis & Curtis	Machine .....	71.25
2	Louisville and Nashville R. R.	Freight charges .....	1.04
2	Narragansett Pier R. R. Co.	do .....	1.97
2	Richmond and Danville R. R. Co.	do .....	1.55
2	Pacific Postal Telegraph Cable Co.	Telegrams .....	12.34
2	John H. McNeely	Services .....	15.25
2	Great Northwestern Telegraph Co. of Canada.	Telegrams .....	145.92
2	C. S. Clinton	Cleaning thermograph .....	1.00
2	E. B. Dunn	Mucilage .....	1.50
2	Wm. Norrington	Freight charges .....	.50
2	W. E. Williams	Frame .....	2.50
2	Baltimore and Ohio R. R. Co.	Transportation .....	6.45
2	P. H. Smyth	New roof, etc.	2.25
2	C. C. Allen	Services .....	12.50
2	W. F. Macy	do .....	2.00
2	Wyoming Midland Telegraph Co.	Weather reports and messages.	10.80
2	New York Central and Hudson River R. R. Co.	Freight charges .....	2.51
2	F. L. Lord	Printing bulletins .....	36.00
2	Church & Stephenson	Lumber .....	8.25

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1894. July	2 John Schultzbach	Rain gauges	\$40.80
2	2 Newman & Son	Repairing caligraph	5.00
2	2 J. H. Mills & Co.	Printers' supplies	.52
2	2 E. J. Pullman	do	6.43
2	2 Wilmarth & Edmonston	Repairs to filter	1.00
2	2 Fisher & Johnson	Tin boxes	5.50
3	3 Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.	Telegrams	14.09
3	3 R. J. Hyatt	Repairing rain gauge	2.35
3	3 J. H. Smith	Repairing clock	1.00
3	3 A. E. Hackett	Lumber, nails, etc	1.60
3	3 Cincinnati, New Orleans and Texas Pacific Rwy. Co.	Transportation	21.00
3	3 H. B. Dick	Traveling expenses	5.25
3	3 Milton Whitney	do	35.16
3	3 do	do	14.15
3	3 J. C. Entwistle	Engraving	5.00
3	3 Western Union Telegraph Co.	Messages	10,591.12
14	14 The Seattle Transportation Co.	Hauling	1.00
14	14 Henry J. Green	Thermometers	86.25
14	14 Sunset Telephone and Telegraph Co.	Telephone rent	15.00
14	14 Chesapeake, Ohio and South-western Rwy. Co.	Telegrams	1.90
14	14 Postal Telegraph Cable Co.	Messages	7.34
14	14 Dennison Manufacturing Co.	Card holders	18.20
14	14 J. P. Slaughter	Traveling expenses	6.75
14	14 W. H. Dorrington	Repairing rain gauges	2.00
14	14 Sunset Telephone and Telegraph Co.	Telephone rent	8.00
14	14 A. L. Wollard	Packing	4.00
14	14 W. H. Hammon	Traveling expenses	29.05
14	14 E. E. Howes	Use of team	3.00
14	14 do	do	2.00
14	14 John Grover	Meals	5.00
14	14 J. C. Pope	Printing bulletin	6.00
14	14 Emma Ling	Services	10.00
14	14 D. H. Washburn	Battery	17.00
14	14 J. C. Entwistle	Rags	8.00
14	14 Julius Lansburgh	Cleaning carpet	3.32
14	14 J. W. Bauer	Ice	3.00
14	14 Louisville and Bartow Telegraph Co.	Messages	2.60
14	14 Chas. Davis	Traveling expenses	16.55
14	14 E. Lien	Moving instrument shelter	5.00
14	14 Wilmington, Columbia and Augusta R. R. Co.	Transportation	7.34
14	14 Wilmington and Weldon R. R. Co.	do	5.50
14	14 InterOcean Telegraph Co.	Telegrams	88.14
14	14 Geo. Hass Hagen	Coal oil, benzine, etc	.70
14	14 Carolina Midland Rwy. Co.	Telegrams	2.61
14	14 T. B. Catron	Rent	105.00
14	14 E. L. Stillman	Hauling	1.00
14	14 Central Union Telephone Co.	Telephone rent	81.00
14	14 Carrie M. Frahm	Services	5.00
14	14 Robt. Leitch & Sons	Discs	.72
14	14 Herman Baumgarten	Rubber type, etc	5.00
14	14 J. Steuart	Labor	18.75
14	14 Chas. B. Smith	Repairs	3.00
14	14 F. L. Graham	Drayage, etc	.75
14	14 O. D. Stewart	Olive oil, etc	.75
14	14 Chas. Stewart	Signal oil	.60
14	14 L. N. Jesunofsky	Drayage	.80
14	14 John A. Townsend	Services	27.00
14	14 Pay roll, New Haven, Conn	Substation salaries	76.50
14	14 Geo. M. Chappel	Drayage	.50
14	14 Norman B. Conger	Traveling expenses	35.75
14	14 Wm. Edmondson	Oil and matches	1.05
14	14 Pay roll, Charleston, S. C.	Substation salaries	97.90
14	14 Henry Burmeister	Repairing thermograph clocks	20.00
14	14 Philadelphia and Reading R. R. Co.	Transportation	4.48
16	16 MacKellar, Smiths & Jordan Foundry.	Brass galley	3.61
16	16 Pay roll, Jacksonville, Fla.	Substation salaries	45.00
16	16 Pay roll, Lynchburg, Va.	do	30.00
16	16 Pay roll, Wilmington, N. C.	do	48.00
16	16 Pay roll, Davenport, Iowa	do	152.55
16	16 Pay roll, Woods Holl, Mass.	do	60.00

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
July 16	Thos. C. Anthony .....	Services .....	\$25.00
16	Pay roll, New York, N. Y. ....	Substation salaries .....	61.00
16	John J. Veeder .....	Use of boat, etc. ....	2.00
16	Jos. Lawrence .....	Services .....	21.00
16	E. H. Emery .....	Telephone service .....	1.50
16	New York, Lake Erie and West- ern R. R. Co. ....	Transportation .....	18.00
16	P. Connor .....	Street-car tickets .....	2.60
16	Samuel Groh .....	Repairing telegraph line .....	7.00
16	Thos. Somerville & Son .....	Shaft, etc. ....	1.15
16	Goodyear Rubber Co. ....	Cots, etc. ....	2.10
16	Chas. C. Moore, jr. ....	Traveling expenses .....	4.06
17	James Kenealy .....	Drayage, etc. ....	1.50
17	Jas. M. Gallagher .....	Services .....	15.00
17	Pay roll, Boston, Mass. ....	Substation salaries .....	432.75
17	Park Morrill .....	Drayage, etc. ....	3.15
17	Memphis Light and Power Co. ....	Electricity .....	3.20
17	Fred. L. Johnson .....	Drayage .....	.75
17	Great Southern Telephone and Telegraph Co. ....	Telephone service .....	23.40
17	Geo. R. Marquette .....	Services .....	17.50
17	Geo. N. Salisbury .....	Repairing river gauges .....	1.50
17	Northern Pacific R. R. Co. ....	Transportation .....	25.65
17	C. E. Linney .....	Cartage .....	.85
17	Pay roll, Chattanooga, Tenn. ....	Substation salaries .....	72.10
17	Wm. Line .....	Cartage .....	.25
17	Pay roll, Augusta, Ga. ....	Substation salaries .....	34.80
17	Pay roll, Nashville, Tenn. ....	do .....	63.70
17	M. Silverberg & Co. ....	Belt molding .....	6.48
17	Herman Baumgarten .....	Logotypes .....	124.00
17	Western Union Telegraph Co. ....	Messages, etc. ....	10,982.16
20	Pay roll, New Orleans, La. ....	Substation salaries .....	288.80
20	W. M. Wilson .....	Repairing instrument shelter .....	2.25
20	Joseph Chilberg .....	Services .....	30.00
20	George S. Bartlett .....	do .....	10.00
20	Will Van Duzer .....	do .....	20.00
20	T. W. Ruete .....	do .....	30.00
20	Wm. A. Johnson .....	do .....	30.00
20	Henry G. B. Swinhoe .....	do .....	30.00
20	John J. Veeder .....	Services, etc. ....	6.00
20	do .....	Use of boat .....	3.00
20	Pay roll, Wilmington, N. C. ....	Substation salaries .....	106.20
20	Pay roll, Savannah, Ga. ....	do .....	36.00
20	do .....	do .....	180.20
20	R. H. Polk .....	Services .....	30.00
20	C. L. Crocker .....	do .....	30.00
20	Chas. A. Kimball .....	Services .....	12.50
20	Pay roll, Omaha, Nebr. ....	Substation salaries .....	60.75
20	New England Telephone and Telegraph Co. ....	Messages .....	2.30
20	J. M. Cline .....	Drayage, etc. ....	1.40
20	G. B. McCoy .....	Telegraphing .....	6.00
20	Pay roll, Charleston, S. C. ....	Substation salaries .....	60.80
20	Pay roll, Augusta, Ga. ....	do .....	136.80
20	Philadelphia, Reading and Pottsville Telegraph Co. ....	Messages .....	7.70
20	Lenoir and Blowing Rock Tele- graph Co. ....	do .....	7.20
20	Geo. W. Felger .....	Drayage .....	.50
20	R. J. Hyatt .....	do .....	.50
20	J. B. Marbury .....	Washing towels .....	1.80
20	Cumberland Telephone and Telegraph Co. ....	Messages .....	59.30
20	C. Endress & Sons .....	do .....	7.50
20	Oregon Telephone and Tele- graph Co. ....	Telephone service, etc. ....	11.80
20	James H. Powe .....	Services .....	1.00
20	James Kenealy .....	Car tickets .....	2.60
20	Fred. Z. Gosewisch .....	Drayage, etc. ....	1.25
20	J. C. Cammer .....	Services .....	5.26
20	Pay roll, St. Paul, Minn. ....	Substation salaries .....	49.75
20	F. H. Brandenburg .....	Lodging and meals .....	3.00
20	Ben. T. Rochester .....	Services .....	.50
20	L. W. Garner .....	do .....	.50
20	Amasa S. Dyer .....	do .....	30.00
20	Erastus Huntington .....	do .....	13.50
20	John C. Webb .....	do .....	.50
20	A. J. Mulligan .....	do .....	27.00
20	A. Ashenberger .....	Drayage .....	.50
20	Pay roll, Mobile, Ala. ....	Substation salaries .....	45.00



## EXPENDITURES IN DEPARTMENT OF AGRICULTURE. 147

Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
July 21	Pay roll, Vicksburg, Miss. ....	Substation salaries .....	\$160.60
21	Pay roll, New Orleans, La. ....	do .....	258.75
21	Pay roll, Montgomery, Ala. ....	do .....	90.80
21	Pay roll, Raleigh, N. C. ....	do .....	114.10
21	Pay roll, Mobile, Ala. ....	do .....	60.80
24	The Friedenwald Co. ....	Weather maps .....	1,798.00
24	Pay roll, Mobile, Ala. ....	Substation salaries .....	60.80
24	The Cen. Dist. and Printing Co. ....	Telephone messages .....	1.00
24	Max Wagner .....	Boarding and lodging .....	5.00
24	Pay roll, St. Louis, Mo. ....	Substation salaries .....	218.40
24	Wyoming Midland Telegraph Co. ....	Sending weather reports .....	12.00
24	Colorado Midland R. R. Co. ....	Freight .....	.25
24	Atchison, Topeka and Santa Fe R. R. Co. ....	do .....	6.27
24	Northern Pacific R. R. Co. ....	do .....	1.12
24	do .....	do .....	.54
24	Chicago, Burlington and Quincy R. R. Co. ....	do .....	32.60
24	do .....	do .....	37.81
24	do .....	do .....	.95
24	do .....	do .....	3.20
24	do .....	do .....	1.13
24	Pennsylvania R. R. Co. ....	do .....	1.42
24	International and Great Northern R. R. Co. ....	do .....	.82
24	Flint and Pere Marquette R. R. Co. ....	do .....	.61
24	Star Union Line .....	do .....	4.00
24	do .....	do .....	.65
24	Illinois Central R. R. Co. ....	do .....	1.49
24	Michigan Central R. R. Co. ....	do .....	6.58
24	Pay roll, Atlanta, Ga. ....	Substation salaries .....	134.40
27	R. Goffin .....	Services .....	9.00
27	Valentin Montoya .....	do .....	5.00
27	Thos. Cleary .....	do .....	9.00
27	Mary V. E. Pritchett .....	do .....	3.00
27	Dexter Horton .....	Rent .....	90.00
27	Walker & Hall .....	do .....	70.00
27	The Columbian Building Co. ....	do .....	87.50
27	L. M. Howard .....	Transmitting messages .....	37.50
27	do .....	do .....	20.50
27	Geo. S. Waite .....	Rent .....	103.86
27	R. McLaughlin .....	do .....	78.04
27	R. S. Dodson .....	do .....	131.25
27	Fresno Loan and Savings Bank .....	do .....	100.00
27	Owen Farley .....	Services .....	5.00
27	Charles Ingalls .....	do .....	4.75
27	Galveston Cotton Exchange .....	Rent .....	58.25
27	East Louisiana R. R. ....	Transmitting messages .....	7.00
27	Pay roll, Cincinnati, Ohio. ....	Substation salaries .....	308.90
27	Chamber of Commerce Building Co. ....	Rent .....	75.21
27	Pythian Land and Building Association .....	do .....	66.25
27	James Baker .....	do .....	68.75
27	Z. D. Gilman .....	Flasks, files, stoppers, etc. ....	251.12
27	do .....	Chemicals .....	52.98
27	Virgie Dorsett .....	Making sacks .....	13.36
27	Parsons & Derge Book Co. ....	Ink, mucilage, benzine, etc. ....	6.85
27	John Edwards .....	Services .....	3.00
27	C. F. Gregor .....	do .....	5.00
27	W. S. Gosnell .....	do .....	5.00
27	Stout & Schmidt .....	Hauling .....	1.25
27	Teche and Vermillion Telephone Line. ....	Transmitting messages .....	23.10
27	Rising Sun Telegraph Line .....	do .....	8.00
27	The Chicago and Alton R. R. Co. ....	Transportation .....	13.62
27	Indian River Steamboat Co. ....	do .....	5.20
27	Robert H. Callahan .....	Services .....	30.00
27	Chicago, Milwaukee and St. Paul Rwy. Co. ....	Freight .....	1.21
27	do .....	do .....	2.94
27	Baltimore and Ohio R. R. Co. ....	do .....	27.78
27	Pacific Coast Steamship Co. ....	do .....	.69
27	Hannibal and St. Joseph R. R. Co. ....	do .....	4.95
27	Baltimore and Ohio Southwestern Rwy. Co. ....	do .....	5.87
27	Northern Pacific R. R. Co. ....	do .....	.14

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
July 27	St. Louis, Keokuk and North-western R. R. Co.	Freight.....	\$2.50
27	New York, New Haven and Hartford R. R. Co.	.....do.....	15.44
27	J. W. Branan.....	Services.....	15.00
27	E. J. Gifford.....	.....do.....	15.25
27	J. H. Bickford.....	.....do.....	15.00
27	H. M. Drinkwater.....	Repairing telegraph line.....	5.00
27	Pay roll, Narragansett Pier, R. I.	Substation salaries.....	60.00
27	Goodyear Rubber Co.....	Rubber balls.....	3.90
27	John C. Parker.....	Shipping tags.....	26.25
31	C. B. Fenton & Co.....	Summer composition.....	10.00
31	J. C. Hayden.....	Traveling expenses.....	7.50
Aug. 2	Z. D. Gilman.....	Cots, etc.....	19.50
2	Thos. Somerville & Sons.....	Brass tubes.....	31.50
2	.....do.....	.....do.....	42.00
3	Pay roll, Harrisburg, Pa.....	Substation salaries.....	41.17
3	Pay roll, Cairo, Ill.....	.....do.....	256.75
3	Pay roll, Memphis, Tenn.....	.....do.....	172.80
3	Pay roll, Atlanta, Ga.....	.....do.....	240.95
3	Pay roll, Vicksburg, Miss.....	.....do.....	76.00
3	Pacific Club.....	Rent.....	76.50
3	Geo. W. Knox Express.....	Freight.....	.73
4	M. J. Adler.....	Tool handles, etc.....	3.60
4	E. Morrison Paper Co.....	Wood cut, paper, etc.....	244.10
4	F. P. May & Co.....	Muslin.....	.40
4	Levytype Co.....	Electrotype plate.....	3.00
4	Goodyear Rubber Co.....	Cots.....	11.25
4	.....do.....	Crutch tips, etc.....	.75
4	Pay roll, Pittsburg, Pa.....	Substation salaries.....	497.90
4	Pay roll, Chicago, Ill.....	.....do.....	681.00
7	J. T. Brown.....	Rent.....	37.50
7	Samuel B. Smith.....	Repairs to telegraph line.....	.98
7	W. H. Renear.....	Use of teams.....	14.40
7	Axel Wiktorin.....	Services.....	1.00
7	R. G. R. Powell.....	Board.....	3.00
7	E. E. Howes.....	Board and team.....	2.75
7	C. L. Crocker.....	Use of boat.....	3.00
7	Portland Trust Co. of Oregon.....	Rent.....	150.00
7	John H. Evans.....	Services.....	3.00
7	Talbotton Enterprise Tele-graph Co.....	Telegrams.....	1.50
7	Homer J. Hart.....	Repairing telegraph line.....	2.00
7	M. Cotter.....	Use of horse and cart.....	31.25
7	T. J. Tillett.....	.....do.....	1.75
7	Homer W. Styron.....	Rent.....	38.62
7	First National Bank of Sault Ste. Marie, Mich.....	.....do.....	85.75
7	F. M. Brown & Co.....	.....do.....	100.00
7	Wm. Crawford.....	.....do.....	30.00
7	Davidson & Joseph.....	.....do.....	81.25
7	P. Laveaga, county treasurer.....	.....do.....	67.00
7	Baer & Bloch.....	.....do.....	87.50
7	Thomas Sweeney.....	.....do.....	75.00
7	Cone & Kimball Co.....	.....do.....	100.99
7	J. H. Lascelles, treasurer.....	.....do.....	142.06
7	Southern Bell Telephone and Telegraph Co.....	Rent of telephone.....	15.00
7	W. T. Gentry, manager Atlantic Telephone Exchange.....	.....do.....	17.00
7	First National Bank, Palestine, Tex.....	Rent.....	78.50
7	W. L., R. A., and E. H. Andres.....	.....do.....	59.32
7	Lydia C. Cobb.....	Window shades.....	2.00
7	Missouri and Kansas Telephone Co.....	Telephone service.....	12.00
7	Pacific Telephone and Tele-graph Co.....	Rent of telephone.....	22.50
7	Telephone and Telegraph Con-struction Co.....	.....do.....	5.00
7	New England Telephone and Telegraph Co.....	.....do.....	12.50
7	Alamo Fire Insurance Co.....	Rent.....	67.50
7	Geo. McBryde.....	Hauling.....	.50
7	Southern Bell Telephone and Telegraph Co.....	Rent of telephone.....	15.00
7	Richard Titus.....	Services.....	4.00
7	Will D. Oldham.....	Cleaning river gauge.....	3.00
7	James Higgins.....	Services.....	15.00

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1894. Aug. 7	Louisville and Bartow Tele- graph Line.	Messages.....	\$2.60
7	Kate E. Reynolds .....	Services.....	15.00
7	E. A. Hanner .....	Drayage .....	2.22
7	James Evans .....	Services .....	9.00
7	Elizabeth H. Hobbs .....	do .....	3.00
7	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.	Telegrams .....	13.53
7	Chicago, Burlington and North- ern R. R. Co.	do .....	2.44
7	Millbridge and Cherryfield Telegraph Co.	do .....	5.10
7	Tidewater Telephone Co. ....	do .....	1.10
7	Pay roll, Little Rock, Ark. ....	Substation salaries.....	149.80
7	Geo. A. Loveland .....	Traveling expenses .....	5.65
7	Charley Hayman .....	Services .....	7.50
7	Bay City and Tillamook Tele- graph Co.	Messages .....	2.80
7	Frank Bianchi .....	Services .....	9.00
7	Sedgwick Building Investment Co.	Rent .....	90.75
7	Wallawalla Lodge, No. 56, I. O. O. F.	do .....	84.87
7	Southern Pacific Co. ....	Transportation .....	11.80
7	Eimer & Amend .....	Corks .....	2.58
7	A. J. Schenck .....	Messages .....	6.22
7	New York, New Haven and Hartford R. R. Co.	Transportation .....	5.30
7	American Exchange Bank .....	Rent .....	114.47
7	Barnard Brown .....	do .....	105.00
7	Lorenzo Littlefield .....	do .....	42.50
7	Wisconsin Marine and Fire In- surance Co. Bank.	do .....	163.75
7	Homer J. Hart .....	Use of horse .....	4.50
7	Seth I. Davis .....	Repairing telegraph line .....	1.00
7	Pay roll, Little Rock, Ark. ....	Substation salaries.....	40.95
7	Pay roll, Chattanooga, Tenn. ....	do .....	13.35
7	Pay roll, St. Louis, Mo. ....	do .....	32.10
7	M. W. Etheridge .....	Transportation .....	7.00
7	Charles De Groff .....	Rent .....	9.15
7	E. McKensie .....	Services .....	27.00
7	C. E. Persons .....	do .....	27.00
7	Chas. Shea .....	do .....	30.00
7	H. H. Buhne .....	Rent .....	72.41
7	Michigan Bell Telephone Co. ....	Distributing reports .....	456.04
7	Julien P. Friez .....	Brass castings .....	4.90
7	Abbie S. Ingalls .....	Rent .....	90.95
7	Andrew Renz .....	Sharpening knives .....	3.00
7	E. Morrison Paper Co. ....	Printing ink .....	20.00
7	E. J. Pullman .....	Negative varnish, plates, etc. ....	52.02
7	Hugh Reilly .....	White lead .....	2.00
7	Barber & Ross .....	Lumber .....	10.96
7	J. C. Entwistle .....	Engraving .....	5.00
7	do .....	do .....	10.00
7	B. S. Pague .....	Boat hire .....	8.60
11	S. M. Apperson, administrator ..	Rent .....	104.55
11	Bohlen Huse Machine and Lake Ice Co.	Ice .....	4.58
11	W. H. Renear .....	Use of teams, etc .....	14.40
11	H. P. Christensen .....	Repairing map frames .....	1.00
11	Oregon Ice Co. ....	Ice .....	3.00
11	Troy Steam Laundry Co. ....	Washing towels .....	1.50
11	Hockenyo Bros. ....	Instrument shelter .....	75.00
11	Flexner Bros. ....	Ink and mucilage .....	4.90
11	Louisville Towel Supply Co. ....	Soap and towels .....	3.00
11	Campbell & Gregg .....	Towel supply .....	3.00
11	Astoria Gaslight Co. ....	Gas .....	1.46
11	Commercial Printing House .....	Trimming bulletins .....	2.00
11	Barney Flynn .....	Ice .....	1.50
11	Union Ice Co. ....	do .....	6.75
11	H. W. Blaisdell .....	Water .....	9.00
11	A. A. Finck .....	Printing bulletins .....	13.00
11	Brush Electric Light and Power Co.	Electricity .....	13.75
11	East Tennessee, Virginia and Georgia Rwy. Co.	Messages .....	1.20
11	C. E. Brown .....	Ice .....	7.28
11	Moosehead Lake Telegraph Co. ....	Telegrams .....	7.90
11	Little Northern Telegraph Co. ....	Transmitting weather reports .....	50.00
11	Joseph A. Smith .....	Rent .....	90.00



*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Aug. 11	Toilet Supply Co. ....	Washing towels .....	\$1.50
11	Great Southern Telephone and Telegraph Co. ....	Exchange service, etc. ....	25.00
11	Weakley & Shields, agents for Vanderbilt University. ....	Rent .....	112.50
11	H. H. Taylor, agent .....	do .....	300.00
11	F. L. Jackson, agent .....	do .....	45.00
11	Henry J. Green .....	Thermometers .....	90.00
11	do .....	do .....	4.75
11	do .....	do .....	200.00
11	MacKellar, Smiths & Jordan Foundry. ....	Printing materials .....	30.16
11	Pascual Moreno .....	Services .....	5.27
11	D. S. Hutchinson .....	Rent .....	85.74
11	The Bell Telephone Co., of Philadelphia. ....	Use of telephone, etc. ....	30.00
11	Chas. E. Bryant, receiver, for Alliance Building. ....	Rent .....	78.25
11	Paul Wilson .....	do .....	84.00
11	Matt Borland .....	do .....	90.00
11	A. P. Eagleston .....	do .....	65.00
11	Geo. French .....	do .....	86.37
11	First National Bank, Bismarck, N. Dak. ....	do .....	87.50
11	L. G. Nesmith .....	do .....	120.00
11	Margaret Parmentier .....	do .....	75.00
11	East Tennessee Telephone Co. ....	Telephone service .....	15.00
11	E. A. Clarke & Co. ....	Rent .....	77.82
11	Henry Bolton .....	do .....	52.84
11	Telephone and Telegraph Con- struction Co. ....	Rent of telephone, etc. ....	24.00
11	The Northwestern Telephone Exchange Co. ....	do .....	18.00
11	do .....	do .....	18.00
11	The Central District and Print- ing Telegraph Co. ....	do .....	15.00
11	Oregon Telephone and Tele- graph Co. ....	do .....	22.50
11	The Bell Telephone Co. of Mis- souri. ....	do .....	16.25
11	Arkansas Democrat Co. ....	Printing bulletins .....	9.00
11	Wisconsin Telephone Co. ....	Telephone service .....	15.00
11	do .....	Rent of telephone .....	12.00
11	The Central District and Print- ing Telegraph Co. ....	do .....	12.50
11	Southern Bell Telephone and Telegraph Co. ....	Transmitting reports, etc. ....	15.00
11	Southern New England Tele- phone Co. ....	Rent of telephone .....	15.00
11	Southwestern Telegraph and Telephone Co. ....	Telephone service .....	12.00
11	Lake Providence, Madison and Tensas Telephone Co. ....	do .....	95.00
11	John C. Parker .....	Eyelets .....	1.50
11	Geo. Ryneal, jr. ....	Varnish, paint, etc. ....	3.20
11	Henry H. Brown .....	Laboratory supplies .....	176.21
11	James B. Lambie .....	do .....	4.25
11	The Norris Peters Co. ....	do .....	42.50
13	Southern Bell Telephone and Telegraph Co. ....	Rent of telephone .....	15.00
13	Black Hills Telegraph and Tel- ephone Co. ....	Rent and service of telephone .....	21.00
13	J. W. Thompson .....	Rent of telephone .....	15.00
13	New York and Pennsylvania Telephone and Telegraph Co. ....	Telephone service .....	6.00
13	The Empire State Telephone and Telegraph Co. ....	do .....	28.50
13	Sunset Telephone and Tele- graph Co. ....	Rent of telephone .....	15.00
13	Telephone and Telegraph Con- struction Co. ....	do .....	12.00
13	The South New England Tele- phone Co. ....	Use of telephone .....	31.25
13	The Bell Telephone Co. of Buf- falo. ....	Rent of telephone .....	17.50
13	Hudson River Telephone Co. ....	Use of telephone .....	15.00
13	Iowa Union Telephone Co. ....	Rent of telephone .....	12.00
13	Northwestern Telephone Ex- change Co. ....	do .....	18.00
13	Chicago Telephone Co. ....	Telephone service .....	21.25

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Aug. 13	Nebraska Telephone Co. ....	Rent of telephone .....	\$15.00
13	The Cleveland Telephone Co. ....	Use of telephone .....	18.00
13	Southern Bell Telephone and Telegraph Co. ....	Rent of telephone .....	15.00
13	Pennsylvania Telephone Co. ....	do .....	21.00
13	Telephone and Telegraph Con- struction Co. ....	Use of telephone .....	10.00
13	C. M. Beeson .....	Rent .....	88.51
13	Great Southern Telephone and Telegraph Co. ....	Rent of telephone .....	15.00
13	Missouri and Kansas Telephone Co. ....	Exchange service .....	18.00
13	Great Southern Telephone and Telegraph Co. ....	Rent of telephone .....	15.00
13	The Erie Telephone and Tele- graph Co. ....	Transmitting weather reports, etc. ....	12.00
13	Missouri and Kansas Telephone Co. ....	Rent of telephone .....	21.00
13	Southern Bell Telephone and Telegraph Co. ....	Telephone exchange service .....	16.00
13	Duluth Telephone Co. ....	do .....	15.00
13	Denver and Rio Grande R. R. Co. ....	Transportation .....	4.65
13	Chesapeake and Potomac Tele- phone Co. ....	Telephone service .....	25.00
13	P. C. Shaw .....	Washing towels .....	3.00
13	Bryant, McEachin & Luce .....	Rent .....	90.41
13	Jno. L. Gideon .....	Printing bulletins .....	16.50
13	W. H. Garlock & Co. ....	Washing towels .....	2.82
13	F. Chesnut .....	Ice .....	6.10
13	S. W. Postell .....	Printing bulletins .....	71.50
13	Standard Ice Co. ....	Ice .....	4.56
13	The Tripod Paint Co. ....	Benzine, etc .....	1.75
13	A. A. Bolles .....	Cartage .....	4.25
13	Albert Marty .....	Rent .....	155.33
13	B. Golden .....	Ice .....	6.00
13	City Gaslight Co. of Norfolk .....	Electric light .....	5.48
13	S. G. Stevens .....	Paint .....	1.75
13	John P. Glynn .....	Hauling .....	3.00
13	Anna Faris .....	Washing towels .....	5.25
13	J. P. Miller .....	Ice .....	6.10
13	Grant Rivenburg .....	do .....	2.25
13	E. F. Hallack .....	Rent .....	150.00
13	Geo. W. Williams .....	do .....	117.93
13	Frances E. Lesslie .....	do .....	75.00
13	The City and Suburban Tele- graph Association. ....	Telephone exchange service .....	25.00
13	The Savannah Board of Trade. ....	Rent .....	78.25
13	S. A. Raymond, agent .....	do .....	175.00
13	Charles R. Wheeler .....	do .....	125.00
13	B. S. Williams .....	do .....	66.00
13	Riley Watson .....	do .....	93.00
13	M. E. Conway .....	do .....	37.74
13	Scovill Manufacturing Co. ....	Aluminium dishes .....	23.00
13	The Lawrence Publishing Co. ....	Printing bulletins .....	12.00
13	E. Biondi .....	Services .....	30.00
13	Webb Bros .....	Window shades .....	4.50
13	Stock Growers' National Bank. ....	Rent .....	54.00
13	B. F. Anderson .....	Services and material .....	7.50
13	John J. Park .....	Repairing, etc .....	2.50
13	I. A. Smith .....	do .....	4.20
13	A. J. Grim .....	do .....	3.00
13	Chas. Stietewroth .....	do .....	4.50
13	Staples & Pelan .....	Rent .....	53.34
13	Real Estate and Law Building Co. ....	do .....	45.49
13	H. Overholser .....	do .....	101.75
13	Electric Supply and Manufac- turing Co. ....	Electric light plant .....	55.00
13	Masonic Temple Association .....	Rent .....	75.00
13	First National Bank of Moor- head. ....	do .....	66.31
13	Cotton Exchange Building Co. ....	do .....	120.00
13	Salt Lake Board of Trade .....	do .....	100.00
13	Amarillo Improvement Co. ....	do .....	51.75
13	Chicago, Milwaukee and St. Paul Rwy. Co. ....	Freight .....	2.96
13	F. E. Warren .....	Rent .....	91.90
13	Catherine Wilson .....	do .....	104.82
13	E. H. Jamieson .....	do .....	64.20
13	Ed. S. Hughes & Co. ....	do .....	100.62

Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Aug. 13	Paine Bros.	Rent	\$73.95
13	Asher Marks, administrator	do	75.50
13	Broadwater Pepin Co.	do	90.00
13	Ellen Hammond	do	212.50
13	Henry Landes	do	59.00
13	A. W. Sawyer	do	172.56
13	John L. and Wm. L. McCagne	do	168.75
13	Emeline W. Look	Boarding two linemen	1.00
13	Wm. H. H. Smith	Use of teams, etc.	26.00
13	First National Bank of Portland, Me.	Rent	126.00
13	Pay roll, Portland, Ore.	Substation salaries	81.00
13	Pay roll, Galveston, Tex.	do	228.20
13	Pay roll, Oswego, N. Y.	do	81.00
13	Western Union Telegraph Co.	Telegrams	10,000.19
13	do	do	10,754.72
17	Eimer & Amend	Drying oven, etc.	77.12
17	do	Platinum dish, etc.	82.01
17	do	Platinum dishes, etc.	278.46
17	do	Clamps, tongs, etc.	336.08
17	John C. Parker	Paper	124.28
17	H. N. Gifford, assistant treasurer.	Telephone exchange service	18.00
17	Telephone and Telegraph Construction Co.	do	90.00
27	E. Lie n	Erecting flagstaff	10.00
27	F. L. Cotton	Ice	4.00
27	The Knickerbocker Co.	do	2.73
27	Henry L. Kenyon	Desk room	6.00
27	Telephone and Telegraph Construction Co.	Rent of telephone	2.50
27	National Bank of Commerce	Rent	112.00
27	W. D. Calverley	Services	20.00
27	Chas. De Groff	Moving furniture	10.00
27	Edward M. Boggs	Services	6.00
27	Nicholas Gueroovich	Labor and material	17.75
27	Jos. Jeroy	Services	15.00
27	Lee Fisk	do	3.00
27	F. V. Davis	do	3.00
30	Calvin Hamilton	do	15.10
Sept. 7	Michigan Bell Telephone Co.	Rent of telephone	1.19
7	Great Northwestern Telegraph Co. of Canada.	Transmitting messages	121.07
7	Baltimore and Ohio Southwestern Rwy. Co.	Transportation	5.75
7	Missouri Pacific Rwy. Co.	do	7.50
7	Postal Telegraph Cable Co.	Transmitting messages	6.80
7	Pacific Postal Telegraph Cable Co.	do	1.60
7	do	do	.40
7	Chesapeake and Ohio Southwestern R. R. Co.	do	.90
7	John J. McLean	Traveling expenses	18.00
7	Maurice Connell	do	16.00
7	Cascade Steam Laundry	Washing towels	1.20
7	Carolina Midland Rwy. Co.	Transmitting messages	2.61
7	J. H. Mills & Co.	Keys	3.00
7	W. H. Butler	Tallow	4.00
13	Chas. M. Stoeve	Map paper	379.28
13	Chicago, Milwaukee and St. Paul Rwy. Co.	Transportation	8.00
13	International Ocean Telegraph Co.	Telegraphing	91.69
13	Frank Perry	Telephoning	1.60
13	Michigan Bell Telephone Co.	do	.40
13	Lucius M. Sheldon	Rent	84.42
13	C. F. R. Wappenhaus	Hauling	.60
13	Sam'l Springmann	do	5.82
19	H. G. Cox	do	.50
19	Baltimore and Ohio R. R. Co.	Freight	36.73
19	do	do	18.92
19	do	do	.65
19	Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.	do	5.52
19	Hannibal and St. Joseph R. R. Co.	do	3.29
19	John H. Starin	do	.90
19	C. H. Mallory & Co.	do	5.16
19	John J. Masterson	do	1.50



*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1894. Sept. 19	Merchants and Miners' Transportation Co.	Freight .....	\$24.13
19	Pennsylvania R. R. Co.	do .....	1.23
19	Jacksonville, St. Augustine and Indian River Rwy. Co.	do .....	1.36
19	Baltimore and Ohio Southwestern Rwy. Co.	do .....	6.37
19	do	do .....	1.96
19	Thos. J. Conry	Drayage .....	11.75
19	Baltimore Steam Packet Co.	Freight .....	2.83
19	do	do .....	3.25
19	Baltimore and Ohio Southwestern Rwy. Co.	do .....	2.96
19	do	do .....	7.25
19	Missouri Pacific Rwy. Co.	do .....	.27
19	do	do .....	1.41
19	do	do .....	.36
19	St. Louis and San Francisco Rwy.	do .....	.80
19	Northern Pacific R. R. Co.	do .....	2.75
19	Richmond and Danville R. R. Co.	do .....	4.76
21	Adolph Schliemann	Washing towels	1.50
21	C. M. Foust	Services	7.00
21	do	do .....	20.00
21	Atlanta and West Point R. R.	Freight .....	2.10
21	Pennsylvania R. R. Co.	do .....	15.86
21	Baltimore and Ohio R. R. Co.	do .....	19.96
21	Empire Line	do .....	1.24
21	The Wabash R. R. Co.	do .....	2.09
21	Pennsylvania R. R. Co.	do .....	1.85
21	Alabama and Vicksburg Rwy. Co.	do .....	1.42
21	Texas and Pacific Rwy. Co.	do .....	.70
21	Cleveland, Cincinnati, Chicago and St. Louis Rwy.	do .....	.62
21	Southern Pacific Co. (Atlantic system).	do .....	5.19
21	Isaac W. Brewer	Traveling expenses	15.00
21	A. J. Mitchell	do .....	8.00
21	Tyree & Wilkins, agents	Rent .....	67.50
21	Fort Worth and Denver City Rwy.	Telegraphing	21.20
		Telegraphing and transportation	12, 105.49
	Total supplemental		79,352.60

## RECAPITULATION.

Total first quarter	\$17,976.49
Total second quarter	57,373.27
Total third quarter	62,799.53
Total fourth quarter	55,362.08
Total supplemental	79,352.60
Total	272,863.97

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES.

Date.	Name.	Nature of payment.	Total.
1893. Aug. 1	A. Ashenberger	Salary for July	\$82.76
1	Chas. Adie	do	65.00
1	F. H. Brandenberg	do	92.83
1	M. H. Bailey	do	50.00
1	Wayland Bailey	do	91.63
1	F. R. Beahan	do	85.00
1	Wm. Bell	do	88.82
1	P. J. Bolton	do	87.82
1	Geo. D. Boutcher	do	99.83
1	H. R. Boynton	do	72.76
1	Allen Buell	do	85.76
1	John W. Byram	do	87.83
1	Ford A. Carpenter	do	82.76
1	R. M. Crawford	do	90.00

## 154 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Aug. 1	John H. Clery .....	Salary for July .....	\$85.00
1	F. W. Conrad .....	do .....	68.76
1	M. E. Conway .....	do .....	60.60
1	Maurice Connell .....	do .....	103.83
1	Thomas S. Collins .....	do .....	92.83
1	H. H. Curley .....	do .....	72.76
1	A. J. Davis .....	do .....	82.26
1	R. S. Dimmick .....	do .....	60.00
1	J. H. Donaldson .....	do .....	82.76
1	Louis Dorman .....	do .....	82.76
1	E. C. Easton .....	do .....	82.76
1	W. M. Edmondson .....	do .....	102.83
1	S. C. Emery .....	do .....	89.83
1	Jos. P. Fallihee .....	do .....	60.60
1	John Fitzgerald .....	do .....	93.83
1	R. O. Grant .....	do .....	91.83
1	H. W. Grasse .....	do .....	50.50
1	Thos. Gibson .....	do .....	101.83
1	Fred Z. Gosewisch .....	do .....	89.83
1	John Grover .....	do .....	85.76
1	Otto B. Hart .....	do .....	60.00
1	A. E. Hacket .....	do .....	84.20
1	Geo. Hass Hagen .....	do .....	88.83
1	H. P. Hardin .....	do .....	82.76
1	R. M. Hardinge .....	do .....	84.20
1	M. L. Hearne .....	do .....	100.00
1	E. C. Hobbs .....	do .....	91.83
1	Fred L. Johnson .....	do .....	91.83
1	N. D. Lane .....	do .....	102.83
1	R. O. Lazenby .....	do .....	70.80
1	William Line .....	do .....	90.83
1	C. W. Ling .....	do .....	82.76
1	John J. McLean .....	do .....	102.83
1	J. H. Melton .....	do .....	88.83
1	Louis A. Muhlnier .....	do .....	60.60
1	V. E. Muncey .....	do .....	30.00
1	F. Newman .....	do .....	100.00
1	William Norrington .....	do .....	89.83
1	L. F. Passaillaigne .....	do .....	87.82
1	M. H. Perry .....	do .....	100.48
1	J. C. Piercy .....	do .....	90.00
1	U. G. Pursell .....	do .....	84.20
1	E. M. Ravenscroft .....	do .....	77.82
1	Geo. Reeder .....	do .....	80.00
1	W. A. Shaw .....	do .....	75.80
1	Chas. Stewart .....	do .....	101.83
1	James P. Sherry .....	do .....	89.83
1	Chas. A. Smith .....	do .....	85.82
1	J. H. Smith .....	do .....	84.20
1	Geo. W. Scott .....	do .....	72.76
1	Benj. R. Stuart .....	do .....	70.80
1	C. H. Stuller .....	do .....	52.48
1	L. M. Tarr .....	do .....	91.83
1	Geo. T. Todd .....	do .....	84.20
1	L. A. Welsh .....	do .....	93.83
1	F. T. Williams .....	do .....	90.00
1	J. R. Williams .....	do .....	103.83
1	R. O. Williams .....	do .....	40.40
1	H. E. Wilkinson .....	do .....	102.83
1	G. H. Willson .....	do .....	102.83
1	Geo. B. Wurtz .....	do .....	82.76
1	H. McP. Baldwin et al .....	Salaries for July .....	114.20
1	Park Morrill et al .....	do .....	387.59
1	W. T. Blythe et al .....	do .....	125.60
1	D. Fisher et al .....	do .....	153.83
1	Alfred F. Sims et al .....	do .....	172.96
1	W. H. Fallon et al .....	do .....	185.66
1	Wm. Davis et al .....	do .....	157.59
1	J. Warren Smith et al .....	do .....	545.92
1	D. Cuthbertson et al .....	do .....	267.60
1	L. N. Jesunofsky et al .....	do .....	164.43
1	E. H. Emery et al .....	do .....	156.58
1	L. M. Pindell et al .....	do .....	157.59
1	I. G. Gardiner et al .....	do .....	117.83
1	W. B. Stockman et al .....	do .....	539.96
1	H. C. Frankenfield et al .....	do .....	751.88
1	S. S. Bassler et al .....	do .....	447.44
1	H. A. McNally et al .....	do .....	105.00
1	J. H. Harmon et al .....	do .....	121.10
1	Chas. M. Strong et al .....	do .....	422.46

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1893. Aug. 1	F. J. Walz et al	Salaries for July	\$170.59
1	J. J. Gilligan et al	do	253.29
1	Geo. M. Chappel et al	do	353.52
1	Edward A. Evans et al	do	336.76
1	B. H. Bronson et al	do	216.16
1	D. C. Murphy et al	do	157.59
1	Peter Wood et al	do	171.10
1	J. J. O'Donnell et al	do	60.60
1	I. M. Cline et al	do	291.76
1	C. P. Cronk et al	do	336.95
1	Geo. W. Felger et al	do	150.43
1	H. B. Dick et al	do	106.20
1	W. E. Butler et al	do	144.80
1	Frank Ridgway et al	do	191.70
1	E. J. Glass et al	do	148.43
1	Samuel W. Glass et al	do	229.16
1	C. F. R. Wappenhaus et al	do	367.60
1	E. R. Demain et al	do	173.63
1	A. J. Mitchell et al	do	170.52
1	H. B. Boyer et al	do	120.00
1	J. D. Blagden et al	do	94.06
1	Henry Pennywitt et al	do	103.83
1	W. U. Simons et al	do	166.96
1	F. H. Clarke et al	do	270.76
1	George E. Franklin et al	do	122.83
1	Frank Burke et al	do	324.52
1	J. N. Ryker et al	do	191.99
1	Henry R. Patrick et al	do	90.80
1	W. M. Wilson et al	do	247.49
1	W. L. Moore et al	do	429.96
1	E. A. Beals et al	do	111.20
1	S. L. Doshier et al	do	195.59
1	Jas. A. Barry et al	do	152.96
1	J. B. Marbury et al	do	263.92
1	B. A. Blundon et al	do	200.44
1	E. W. McGann et al	do	131.40
1	H. J. Cox et al	do	156.93
1	R. E. Kerkann et al	do	391.12
1	E. B. Dunn et al	do	673.82
1	A. B. Crane et al	do	144.80
1	Jas. I. Widmeyer et al	do	111.20
1	Geo. E. Hunt et al	do	378.59
1	Julius G. Linsley et al	do	157.59
1	H. F. Alciatore et al	do	95.00
1	W. W. Dent et al	do	161.70
1	L. M. Dey et al	do	392.12
1	U. G. Myers et al	do	215.66
1	O. D. Stewart et al	do	197.10
1	E. P. Jones et al	do	181.96
1	W. C. Roberson	Salaries for July 8 to 31	23.23
1	B. S. Pague et al	Salaries for July	335.20
1	C. F. von Herrmann et al	do	165.60
1	Arthur L. White et al	do	128.23
1	Geo. N. Salisbury et al	do	167.59
1	P. H. Smyth et al	do	159.80
1	H. B. Hersey et al	do	152.43
1	Jas. A. Barwick et al	do	164.43
1	P. T. Jenkins et al	do	430.26
1	W. H. Hammon et al	do	480.48
1	P. F. Lyons et al	do	271.76
1	B. F. Hough et al	do	154.53
1	C. L. Bozzell et al	do	108.83
1	John Craig et al	do	219.19
1	Thos. J. Considine et al	do	112.06
1	J. E. Lanouette et al	do	163.43
1	E. A. Hammer et al	do	177.96
1	T. B. Jennings et al	do	118.83
1	Wm. Burrows et al	do	123.26
1	W. W. Neifert et al	do	90.80
1	R. J. Hyatt et al	do	355.36
1	T. P. Chaffee et al	do	225.03
1	J. P. Slaughter et al	do	133.82
11	P. Connor et al	do	261.28
11	R. L. Anderson	Salary for July	50.50
11	Hannah D. Chaffee	Salary for July 15 to 31	27.00
11	S. R. Wright	Salary for July 18 to 31	9.03
11	Wm. Schlomer	Salary for July 26 to 31	2.90
11	Paul Daniels	Salary for July	89.83
11	T. R. Ryan	Salary for July 1 to 8	15.65
11	W. B. Blythe	Salary for Aug. 1 to 10	17.93



*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Aug. 11	J. A. Lawing	Salary for July 26 to 29	\$5.25
11	C. A. Pague	Salary for July	62.00
11	E. E. Carlisle	Salary for July 14 to 23	20.00
17	F. F. Conway	Salary for July	25.00
17	E. C. Seawell	Salary for July 3 to 31	58.00
17	G. McFerrin	Salary for July	62.00
17	Joseph F. Henry	Salary for July 3 to 31	48.00
17	F. W. Smith	Salary for July	62.00
17	Robert P. Powell	Salary for July 26 to 29	8.00
18	Orrie L. Wambaugh	Salary for July 9 to Aug. 10	66.00
18	E. F. Hubbert	Salary for July 29 to 31	2.90
18	E. A. Beahan	Salary for July	30.00
22	Louis F. Ranke	Salary for July 20 to 22	7.50
24	Hannah D. Chaffee	Salary for Aug. 1 to 19	33.00
29	E. C. Meredith	Salary for Aug. 6 to 28	45.00
31	R. McKean Barry	Salary for July	54.78
31	Wm. F. Reed, jr.	Salary for August	60.60
Sept. 1	Chas. Adie	do	65.00
1	F. H. Brudenburg	do	92.83
1	M. W. Bailey	do	50.00
1	Wayland Bailey	do	91.83
1	F. B. Beahan	do	85.00
1	Wm. Bell	do	88.82
1	A. T. Brewer	do	55.60
1	P. J. Bolton	do	87.82
1	Geo. D. Boutcher	do	99.83
1	H. R. Boynton	do	72.76
1	Allen Buell	do	85.76
1	John W. Byram	do	87.83
1	W. T. Blythe	do	70.00
1	Ford A. Carpenter	do	82.76
1	R. M. Crawford	do	90.00
1	John H. Clerly	do	85.00
1	F. W. Conrad	do	68.76
1	Maurice Connell	do	103.83
1	Thomas S. Collins	do	92.83
1	H. H. Curley	do	72.76
1	R. S. Dimmick	do	60.00
1	Louis Dorman	do	82.76
1	W. M. Edmondson	do	102.83
1	S. C. Emery	do	89.83
1	Jos. P. Fallihee	do	60.60
1	Jno. Fitzgerald	do	93.83
1	H. W. Grasse	do	50.50
1	Thos. Gibson	do	101.83
1	Jno. Grover	do	85.76
1	Fred. Z. Gosewisch	do	89.83
1	Otto B. Hart	do	60.00
1	Geo. Hass Hagen	do	88.83
1	A. E. Hackett	do	84.20
1	H. P. Hardin	do	82.76
1	R. M. Hardinge	do	84.20
1	M. L. Hearne	do	100.00
1	E. C. Hobbs	do	91.83
1	Fred. L. Johnson	do	91.83
1	N. D. Lane	do	102.83
1	R. O. Lazenby	do	70.80
1	Wm. Line	do	90.83
1	C. W. Ling	do	82.76
1	John J. McLean	do	102.83
1	J. H. Melton	do	88.83
1	Louis A. Muhlnier	do	60.60
1	V. E. Muncy	do	30.00
1	F. Newman	do	100.00
1	Wm. Norvington	do	89.83
1	J. J. O'Donnell	do	60.60
1	L. F. Passaillaigne	do	87.82
1	C. A. Pague	do	62.00
1	J. C. Piercy	do	90.00
1	U. G. Pursell	do	84.20
1	E. M. Ravenscroft	do	77.82
1	Geo. Reeder	do	80.00
1	J. P. Slaughter	do	73.82
1	Chas. Stewart	do	101.83
1	James P. Sherry	do	89.83
1	Chas. A. Smith	do	85.82
1	J. H. Smith	do	84.20
1	Geo. W. Scott	do	72.76
1	Benj. R. Stuart	do	70.80
1	C. H. Stuller	do	101.83

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1893			
Sept. 1	L. M. Tarr	Salaries for August	\$91.83
1	Geo. T. Todd	do	84.20
1	L. A. Welsh	do	93.83
1	M. J. Wright, jr	do	38.71
1	F. T. Williams	do	90.00
1	J. R. Williams	do	103.83
1	R. O. Williams	do	40.40
1	H. E. Wilkinson	do	102.83
1	G. H. Willson	do	102.83
1	Geo. B. Wurtz	do	82.76
1	C. J. Oyler	do	16.00
1	Park Morrell et al	do	326.99
1	Alfred F. Sims et al	do	172.96
1	H. McP. Baldwin et al	do	114.20
1	D. Fisher et al	do	153.83
1	C. P. Cronk et al	do	210.26
1	W. H. Fallon et al	do	185.66
1	Wm. Davis et al	do	157.59
1	J. Warren Smith et al	do	628.68
1	D. Cuthbertson et al	do	267.60
1	L. N. Jesunofsky et al	do	164.43
1	L. M. Pindell et al	do	157.59
1	E. H. Emery et al	do	156.58
1	I. G. Gardiner et al	do	117.83
1	W. B. Stockman et al	do	339.96
1	H. C. Frankenfield et al	do	774.04
1	S. S. Bassler et al	do	462.44
1	H. A. McNally et al	do	105.00
1	J. H. Harmon et al	do	121.10
1	Chas. M. Strong et al	do	422.46
1	F. J. Walz et al	do	170.59
1	J. J. Gilligan et al	do	253.29
1	Geo. M. Chappel et al	do	353.52
1	Edw. A. Evans et al	do	366.76
1	B. H. Bronson et al	do	216.16
1	D. C. Murphy et al	do	157.59
1	Peter Wood et al	do	171.10
1	I. M. Cline et al	do	291.76
1	Geo. W. Felger et al	do	150.43
1	H. B. Dick et al	do	106.20
1	W. E. Butler et al	do	195.30
1	Frank Ridgeway et al	do	191.70
1	E. J. Glass et al	do	148.43
1	S. W. Glenn et al	do	207.00
1	C. F. R. Wappenhaus et al	do	367.60
1	E. R. Demain et al	do	173.63
1	A. J. Mitchell et al	do	170.52
1	P. Connor et al	do	354.68
1	H. B. Boyer et al	do	120.00
1	J. D. Blagden et al	do	94.06
1	Henry Pennywitt et al	do	103.83
1	W. U. Simons et al	do	166.96
1	F. H. Clark et al	do	270.76
1	Geo. E. Franklin et al	do	122.83
1	Frank Burke et al	do	324.52
1	J. N. Ryker et al	do	191.99
1	H. R. Patrick et al	do	90.80
1	W. M. Wilson et al	do	247.49
1	W. L. Moore et al	do	429.96
1	E. A. Beals et al	do	201.03
1	S. L. Doshier et al	do	195.59
1	Jas. A. Barry et al	do	152.96
1	M. E. Conway et al	do	85.60
1	J. B. Marbury et al	do	263.92
1	B. A. Blundon et al	do	234.63
1	H. J. Cox et al	do	148.43
1	R. E. Kerkam et al	do	391.12
1	E. W. McGann et al	do	131.40
1	E. B. Dunn et al	do	673.82
1	A. B. Crane et al	do	144.80
1	J. I. Widmeyer et al	do	111.20
1	Geo. E. Hunt et al	do	378.59
1	J. G. Linsley et al	do	157.59
1	H. F. Alciatore et al	do	95.00
1	W. W. Dent et al	do	161.70
1	L. M. Dey et al	do	392.12
1	U. G. Myers et al	do	156.96
1	O. D. Stewart et al	do	288.93
1	E. P. Jones et al	do	181.96
1	B. S. Pague et al	do	365.20

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Sept. 1	C. F. von Hermann et al	Salaries for August	\$168.43
1	Arthur L. White et al	do	128.23
1	P. F. Smyth et al	do	159.80
1	James A. Barwick et al	do	125.35
1	P. T. Jenkins et al	do	430.26
1	Geo. N. Salisbury et al	do	167.59
1	W. H. Hammon et al	do	397.72
1	P. F. Lyons et al	do	271.76
1	C. L. Bozzell et al	do	108.83
1	B. F. Hough et al	do	154.53
1	John Craig et al	do	219.19
1	T. J. Considine et al	do	112.06
1	J. E. Lanonette et al	do	163.43
1	E. A. Hanner et al	do	177.96
1	T. B. Jennings et al	do	118.83
1	Wm. Burrows et al	do	123.26
1	W. W. Neifert et al	do	150.80
1	R. J. Hyatt et al	do	355.36
1	F. P. Chaffee et al	do	225.03
2	Asa Doshier	Salary	35.22
2	Max Wagner	do	26.09
2	F. W. Smith	do	44.00
2	W. A. Shaw	do	75.80
4	W. G. Mitchell	do	40.00
4	F. L. Graham	do	21.20
13	R. C. New	do	20.25
13	Chas. A. Blythe	do	42.00
13	H. B. Hersey	do	152.43
13	E. C. Seawell	do	62.00
13	H. S. Mann	do	30.00
13	Howard Casler	do	10.00
13	Virginia P. McDonald	do	20.00
13	S. R. Wright	do	20.00
16	Ed. Gale Quina	do	15.00
16	Jos. F. Henry	do	54.00
16	B. A. Blundon	do	29.61
19	E. C. Easton	do	67.76
20	H. S. Mann	do	18.00
20	E. C. Seawell	do	14.00
20	J. A. Larving	do	30.00
20	Angus P. Brown	do	30.00
21	A. Ashenberger	do	82.76
22	G. McFerren	do	18.00
22	C. A. Blythe	do	30.00
26	F. R. Haight	do	1.20
26	T. S. Townsend	do	44.00
26	Wm. M. Oakey	do	56.00
27	Jos. F. Henry	do	24.00
27	W. G. Mitchell	do	38.00
28	E. V. Salisbury	do	56.00
30	H. C. Painter	do	114.20
	Total first quarter		54,503.49
Oct. 1	A. Ashenberger	Salary	81.60
1	Chas. Adie	do	65.40
1	F. H. Branderburg	do	106.00
1	Wayland Bailey	do	97.80
1	M. H. Bailey	do	50.00
1	E. A. Beahan	do	30.00
1	F. R. Beahan	do	89.60
1	Wm. Bell	do	89.60
1	P. J. Bolton	do	89.60
1	Geo. D. Boutcher	do	97.80
1	H. R. Boynton	do	89.60
1	Allen Buell	do	97.80
1	Frank Burke	do	122.20
1	John W. Byram	do	89.60
1	W. T. Blythe	do	97.80
1	Ford A. Carpenter	do	81.60
1	R. M. Crawford	do	89.60
1	John H. Clery	do	89.60
1	F. W. Conrad	do	89.60
1	M. E. Conway	do	68.40
1	Maurice Connell	do	106.00
1	T. S. Collins	do	97.80
1	H. H. Curley	do	89.60
1	R. S. Dimmick	do	60.00
1	Asa Doshier	do	58.80
1	E. B. Dunn	do	122.20



*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total
1893.			
Oct. 1	S. C. Emery .....	Salary	\$106.00
1	W. M. Edmondson .....	do	106.00
1	Jos. P. Fallihee .....	do	58.80
1	John Fitzgerald .....	do	97.80
1	H. W. Grasse .....	do	49.00
1	Thomas Gibson .....	do	106.00
1	John Grover .....	do	89.60
1	Fred Z. Gosewisch .....	do	106.00
1	Otto B. Hart .....	do	60.00
1	A. E. Hackett .....	do	81.60
1	Geo. Hass Hagen .....	do	89.60
1	R. M. Harding .....	do	97.80
1	H. P. Hardin .....	do	81.60
1	M. L. Hearne .....	do	114.20
1	E. C. Hobbs .....	do	97.80
1	F. L. Johnson .....	do	97.80
1	N. D. Lane .....	do	106.00
1	R. O. Lazenby .....	do	81.60
1	Jno. J. McLean .....	do	106.00
1	Wm. Line .....	do	97.80
1	C. W. Ling .....	do	89.60
1	J. H. Melton .....	do	89.60
1	L. A. Muhlnher .....	do	68.40
1	V. E. Muncy .....	do	30.00
1	F. Newman .....	do	100.00
1	Wm. Norrington .....	do	89.60
1	J. J. O'Donnell .....	do	68.40
1	L. F. Passailaigue .....	do	89.60
1	B. S. Pague .....	do	122.20
1	C. A. Pague .....	do	60.00
1	J. C. Piercy .....	do	89.60
1	U. G. Pursell .....	do	81.60
1	E. M. Ravenscroft .....	do	81.60
1	Geo. Reeder .....	do	81.60
1	Chas. Steward .....	do	106.00
1	James P. Sherry .....	do	97.80
1	J. H. Smith .....	do	89.60
1	Chas. A. Smith .....	do	89.60
1	Geo. W. Scott .....	do	81.60
1	C. H. Stuller .....	do	106.00
1	L. M. Tarr .....	do	97.80
1	Geo. T. Todd .....	do	81.60
1	L. A. Welsh .....	do	97.80
1	F. T. Williams .....	do	89.60
1	J. R. Williams .....	do	114.20
1	R. O. Williams .....	do	58.80
1	H. E. Wilkinson .....	do	106.00
1	G. H. Willson .....	do	106.00
1	M. J. Wright, jr. ....	do	75.00
1	Geo. B. Wintz .....	do	81.60
1	W. L. Moore et al. ....	Salaries	429.40
1	E. A. Beals et al. ....	do	255.80
1	Jas. A. Barry et al. ....	do	158.00
1	S. L. Doshier et al. ....	do	196.20
1	J. B. Marbury et al. ....	do	259.00
1	Max Wagner et al. ....	do	216.20
1	E. W. McGann et al. ....	do	143.60
1	H. J. Cox et al. ....	do	174.40
1	R. E. Kerkam et al. ....	do	382.00
1	J. W. Bauer et al. ....	do	563.20
1	A. B. Crane et al. ....	do	158.00
1	H. F. Alciatore et al. ....	do	117.80
1	Geo. E. Hunt et al. ....	do	393.00
1	J. G. Linsley et al. ....	do	195.80
1	W. W. Dent et al. ....	do	156.60
1	L. M. Dey et al. ....	do	413.00
1	O. D. Stewart et al. ....	do	298.20
1	U. G. Myers et al. ....	do	214.40
1	E. P. Jones et al. ....	do	186.20
1	B. S. Pague et al. ....	do	250.20
1	C. F. von Herrmann et al. ....	do	202.60
1	Arthur L. White et al. ....	do	148.40
1	Jas. A. Barwick et al. ....	do	136.00
1	P. T. Jenkins et al. ....	do	432.80
1	H. B. Hersey et al. ....	do	156.60
1	Geo. N. Salisbury et al. ....	do	187.40
1	P. F. Smyth et al. ....	do	178.00
1	C. L. Bozzell et al. ....	do	109.60
1	B. F. Hough et al. ....	do	166.20
1	W. H. Hammon et al. ....	do	504.00

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Oct. 1	P. F. Lyons et al	Salaries	\$270.60
1	John Craig et al	do	241.40
1	Louis Dornan et al	do	109.60
1	T. J. Considine et al	do	114.00
1	J. E. Lanonette et al	do	174.40
1	T. B. Jennings et al	do	139.20
1	E. A. Hanner et al	do	183.00
1	W. Burrows et al	do	128.60
1	W. W. Neifert et al	do	101.60
1	R. J. Hyatt et al	do	378.80
1	F. L. Graham et al	do	257.80
1	J. P. Slaughter et al	do	150.00
1	W. H. Fallon et al	do	190.63
1	H. McP. Baldwin et al	do	119.60
1	Park Morrill et al	do	391.80
1	A. F. Sims et al	do	215.80
1	D. Fisher et al	do	158.00
1	C. P. Cronk et al	do	330.00
1	Wm. Davis et al	do	174.40
1	J. W. Smith et al	do	638.40
1	D. Cuthbertson et al	do	269.40
1	L. N. Jesunofsky et al	do	254.60
1	E. H. Emery et al	do	166.20
1	I. G. Gardiner et al	do	127.80
1	S. S. Bassler et al	do	471.60
1	W. B. Stockman et al	do	352.20
1	H. C. Frankenfield et al	do	644.60
1	J. H. Harmon et al	do	117.80
1	Chas. M. Strong et al	do	458.40
1	H. A. McNally et al	do	119.60
1	L. M. Pindell et al	do	158.00
1	F. J. Walz et al	do	252.80
1	J. J. Gilligan et al	do	271.40
1	Geo. M. Chappel et al	do	367.20
1	Edw. A. Evans et al	do	465.40
1	B. H. Bronson et al	do	218.80
1	D. C. Murphy et al	do	195.80
1	Peter Wood et al	do	203.80
1	Geo. W. Felger et al	do	148.40
1	I. M. Cline et al	do	370.60
1	W. E. Butler et al	do	207.00
1	H. B. Dick et al	do	115.80
1	Frank Ridgway et al	do	186.60
1	E. J. Glass et al	do	148.40
1	S. W. Glenn et al	do	201.00
1	C. F. R. Wappenhaus et al	do	387.40
1	E. R. Demain et al	do	195.60
1	A. J. Mitchell et al	do	187.40
1	P. Connor et al	do	364.28
1	H. B. Boyer et al	do	120.00
1	J. D. Blagden et al	do	92.80
1	Henry Pennywitt et al	do	104.60
1	F. H. Clarke et al	do	264.40
1	Geo. E. Franklin et al	do	126.00
1	S. P. Gresham et al	do	208.80
1	J. N. Ryker et al	do	200.40
1	W. U. Simons et al	do	187.60
1	H. R. Patrick et al	do	101.60
1	W. M. Wilson et al	do	254.40
1	W. A. Shaw	Salary	81.60
4	R. C. New	do	15.48
4	F. S. Coale	do	14.52
4	Geo. T. W. Wells	do	15.65
4	R. S. Smith	do	14.35
4	R. H. Webb	do	20.00
4	Robt. Beebe	do	4.60
4	C. Uniacke	do	42.00
10	H. S. Mann	do	22.00
11	Bennie Mocca	do	4.30
12	J. I. Widmeyer et al	Salaries	130.60
13	Henry Bader	Salary	28.00
19	G. Uniacke	do	16.00
Nov. 1	A. Ashenberger	do	84.20
1	Wayland Bailey	do	101.10
1	E. A. Beahan	do	30.00
1	F. R. Beahan	do	92.70
1	Wm. Bell	do	92.70
1	P. J. Bolton	do	92.70
1	Geo. D. Boutcher	do	101.10
1	F. H. Brandenburg	do	109.50

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
Nov. 1893.			
Nov. 1	Allen Buell .....	Salary .....	\$101.10
1	Frank Burke .....	do .....	126.40
1	J. W. Byram .....	do .....	92.70
1	Ford A. Carpenter .....	do .....	84.20
1	F. H. Clarke .....	do .....	126.40
1	John H. Clery .....	do .....	92.70
1	T. S. Collins .....	do .....	101.10
1	Maurice Connell .....	do .....	109.50
1	F. W. Conrad .....	do .....	92.70
1	M. E. Conway .....	do .....	70.80
1	H. H. Curley .....	do .....	92.70
1	R. S. Dimmick .....	do .....	60.00
1	Asa Doshier .....	do .....	60.60
1	E. B. Dunn .....	do .....	126.40
1	W. M. Edmondson .....	do .....	109.50
1	E. H. Emery .....	do .....	101.10
1	S. C. Emery .....	do .....	109.50
1	Jos. P. Fallihee .....	do .....	60.60
1	John Fitzgerald .....	do .....	101.10
1	Thos. Gibson .....	do .....	109.50
1	Fred. Z. Gosewisch .....	do .....	109.50
1	H. W. Grasse .....	do .....	50.50
1	John Grover .....	do .....	92.70
1	A. E. Hackett .....	do .....	84.20
1	R. M. Hardinge .....	do .....	101.10
1	Otto B. Hart .....	do .....	60.00
1	Geo. Hass Hagen .....	do .....	92.70
1	M. L. Hearne .....	do .....	117.90
1	E. C. Hobbs .....	do .....	101.10
1	R. J. Hyatt .....	do .....	126.40
1	F. L. Johnson .....	do .....	101.10
1	N. D. Lane .....	do .....	109.50
1	R. O. Lazenby .....	do .....	84.20
1	Wm. Line .....	do .....	101.10
1	C. W. Ling .....	do .....	92.70
1	J. H. Melton .....	do .....	92.70
1	H. E. Wilkinson .....	do .....	109.50
1	Geo. Reeder .....	do .....	84.20
1	Chas. Stewart .....	do .....	189.50
1	L. A. Muhlner .....	do .....	70.80
1	Wm. Norrington .....	do .....	92.70
1	J. J. O'Donnell .....	do .....	70.80
1	T. S. Outram .....	do .....	84.20
1	C. A. Pague .....	do .....	62.00
1	B. S. Pague .....	do .....	126.40
1	L. F. Passailaigne .....	do .....	92.70
1	J. O. Piercy .....	do .....	92.70
1	E. M. Ravenscroft .....	do .....	84.20
1	Geo. W. Scott .....	do .....	84.20
1	James P. Sherry .....	do .....	101.10
1	J. H. Smith .....	do .....	92.70
1	Benj. P. Cooper .....	do .....	20.20
1	R. S. Smith .....	do .....	40.40
1	C. H. Stuller .....	do .....	109.50
1	L. M. Tarr .....	do .....	101.10
1	Geo. T. Todd .....	do .....	84.20
1	G. T. W. Wells .....	do .....	40.40
1	L. A. Welsh .....	do .....	101.10
1	F. S. Williams .....	do .....	92.70
1	J. R. Williams .....	do .....	117.90
1	R. O. Williams .....	do .....	60.60
1	G. H. Willson .....	do .....	109.50
1	M. J. Wright jr .....	do .....	75.00
1	M. Wright .....	do .....	84.20
1	M. H. Bailey .....	do .....	50.00
1	U. G. Pursell .....	do .....	84.20
1	R. H. Webb .....	do .....	12.26
1	F. Newman .....	do .....	100.00
1	H. R. Boynton .....	do .....	92.70
1	H. N. E. Gleason .....	do .....	5.87
1	Geo. M. Chappel et al .....	Salaries .....	378.90
1	A. F. Sims et al .....	do .....	222.10
1	H. McP. Baldwin et al .....	do .....	122.70
1	Park Morrill et al .....	do .....	404.10
1	D. Fisher et al .....	do .....	163.50
1	C. P. Cronk et al .....	do .....	340.00
1	W. H. Fallon et al .....	do .....	193.93
1	Wm. Davis et al .....	do .....	180.30
1	J. W. Smith et al .....	do .....	658.30
1	D. Cuthbertson et al .....	do .....	277.80



*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Nov. 1	W. T. Blythe et al.	Salaries	\$171.90
1	L. N. Jesunofsky et al.	do	202.10
1	H. C. Painter et al.	do	147.90
1	L. M. Pindell et al.	do	163.50
1	W. B. Stockman et al.	do	363.90
1	H. P. Hardin et al.	do	119.60
1	E. J. Glass et al.	do	153.30
1	E. R. Demain et al.	do	202.20
1	H. R. Patrick et al.	do	104.20
1	E. A. Beals et al.	do	264.60
1	Jas. A. Barry et et	do	163.50
1	S. L. Doshier et al.	do	201.90
1	Max Wagner et al.	do	196.90
1	J. B. Marbury et al.	do	268.00
1	E. W. McGann et al.	do	148.20
1	R. E. Kerkam et al.	do	486.70
1	J. W. Bauer et al.	do	580.90
1	A. B. Crane et al.	do	163.50
1	W. W. Dent et al.	do	161.70
1	L. M. Dey et al.	do	426.00
1	O. D. Stewart et al.	do	308.40
1	E. P. Jones et al.	do	191.90
1	J. I. Widmeyer et al.	do	134.70
1	H. F. Alciatore et al.	do	121.10
1	H. B. Boyer et al.	do	120.00
1	J. D. Blagden et al.	do	96.10
1	I. G. Gardnier et al.	do	116.10
1	W. U. Simons et al.	do	193.70
1	G. G. Harkness et al.	do	146.40
1	Geo. E. Franklin et al.	do	129.50
1	S. P. Gresham et al.	do	215.60
1	J. N. Ryker et al.	do	207.30
1	W. M. Wilson et al.	do	262.80
1	W. L. Moore et al.	do	464.70
1	H. J. Cox et al.	do	185.50
1	S. M. Blandford et al.	do	257.40
1	G. N. Salisbury et al.	do	190.54
1	W. H. Hammon et al.	do	478.40
1	Jas. J. Gray et al.	do	420.80
1	Geo. E. Hunt et al.	do	406.00
1	J. G. Linsley et al.	do	202.10
1	U. G. Myers et al.	do	220.30
1	C. F. von Herrmann et al.	do	208.70
1	Arthur L. White et al.	do	153.30
1	Jas. A. Barwick et al.	do	109.50
1	P. F. Lyons et al.	do	279.70
1	B. F. Hough et al.	do	171.90
1	H. B. Hersey et al.	do	161.70
1	C. L. Bozzell et al.	do	112.70
1	P. F. Smyth et al.	do	183.50
1	C. A. Smith et al.	do	176.90
1	Louis Dorman et al.	do	112.70
1	John Craig et al.	do	239.10
1	T. J. Considine et al.	do	118.00
1	J. E. Lanouette et al.	do	180.30
1	E. A. Hanner et al.	do	188.50
1	T. B. Jennings et al.	do	142.90
1	W. Burrows et al.	do	133.20
1	E. C. Easton et al.	do	264.20
1	W. W. Neifert et al.	do	104.20
1	F. L. Graham et al.	do	266.10
1	J. P. Slaughter et al.	do	155.00
1	H. C. Frankenfield et al.	do	665.20
1	Chas. M. Strong et al.	do	473.30
1	F. J. Walz et al.	do	176.90
1	B. H. Bronson et al.	do	225.60
1	J. J. Gilligan et al.	do	279.30
1	Edw. A. Evans et al.	do	479.80
1	S. S. Bassler et al.	do	486.70
1	H. A. McNally et al.	do	122.70
1	J. H. Harmon et al.	do	121.10
1	D. C. Murphy et al.	do	202.10
1	Peter Wood et al.	do	210.60
1	I. M. Cline et al.	do	358.60
1	Geo. W. Felger et al.	do	153.30
1	W. E. Butler et al.	do	214.00
1	Frank Ridgway et al.	do	191.70
1	S. W. Glenn et al.	do	207.00
1	C. F. R. Wappenhaus et al.	do	368.80
1	A. J. Mitchell et al.	do	193.80

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Nov. 1	P. Connor et al .....	Salaries .....	\$379. 00
7	W. A. Shaw .....	Salary .....	84. 20
7	R. M. Crawford .....	do .....	92. 70
7	T. S. Townsend .....	do .....	60. 00
7	do .....	do .....	62. 00
7	Chas. Adie .....	do .....	70. 80
8	G. G. Rogers .....	do .....	6. 00
14	C. G. Oyler .....	do .....	14. 00
14	E. C. Harris .....	do .....	10. 00
17	F. Haentschel .....	do .....	30. 00
17	H. B. Dick .....	do .....	81. 48
18	E. A. Beahan .....	do .....	30. 00
18	S. P. Gresham .....	do .....	15. 98
21	S. H. Carpenter .....	do .....	30. 00
23	John J. McLean .....	do .....	109. 50
23	L. M. Stevenson .....	do .....	9. 68
23	J. H. Melton .....	do .....	29. 89
Dec. 1	Geo. Reeder .....	do .....	81. 60
1	T. A. Colne .....	do .....	48. 99
1	John W. Mann .....	do .....	. 65
1	I. W. Brewer .....	do .....	88. 04
1	T. F. Townsend .....	do .....	61. 14
1	Allen Buell .....	do .....	97. 80
1	Wayland Bailey .....	do .....	97. 80
1	John Grover .....	do .....	89. 60
1	E. H. Emery .....	do .....	97. 80
1	E. C. Hobbs .....	do .....	97. 80
1	F. A. Carpenter .....	do .....	81. 60
1	Asa Doshier .....	do .....	58. 80
1	S. C. Emery .....	do .....	106. 00
1	H. A. McNally .....	do .....	89. 60
1	James Kenealy .....	do .....	89. 67
1	N. D. Lane .....	do .....	106. 00
1	Maurice Connell .....	do .....	106. 00
1	R. S. Dimmick .....	do .....	60. 00
1	C. W. Ling .....	do .....	89. 60
1	F. W. Conrad .....	do .....	89. 60
1	R. M. Hardinge .....	do .....	97. 80
1	H. H. Curley .....	do .....	89. 60
1	P. Connor .....	do .....	122. 20
1	F. Z. Gosewisch .....	do .....	106. 00
1	F. H. Clarke .....	do .....	122. 20
1	R. M. Crawford .....	do .....	89. 60
1	Frank Burke .....	do .....	122. 20
1	H. B. Dick .....	do .....	81. 60
1	Geo. Hass Hagen .....	do .....	89. 60
1	J. W. Byram .....	do .....	89. 60
1	F. P. Chaffee .....	do .....	93. 75
1	H. R. Boynton .....	do .....	89. 60
1	M. E. Conway .....	do .....	68. 40
1	Chas. Adie .....	do .....	68. 40
1	G. H. Willson .....	do .....	106. 00
1	W. M. Edmondson .....	do .....	106. 00
1	L. A. Welsh .....	do .....	97. 80
1	O. D. Stewart .....	do .....	122. 20
1	W. A. Shaw .....	do .....	81. 60
1	Wm. Bell .....	do .....	89. 60
1	Otto B. Hart .....	do .....	60. 00
1	F. H. Brandenburg .....	do .....	106. 00
1	Jos. P. Fallihee .....	do .....	58. 80
1	Thos. Gibson .....	do .....	106. 00
1	M. L. Hearne .....	do .....	114. 20
1	Jas. A. Barwick .....	do .....	106. 00
1	H. W. Grasse .....	do .....	49. 00
1	M. H. Bailey .....	do .....	50. 00
1	J. P. Sherry .....	do .....	97. 80
1	L. F. Passailaigue .....	do .....	89. 60
1	L. A. Muhlnher .....	do .....	68. 40
1	T. S. Collins .....	do .....	97. 00
1	U. G. Purssell .....	do .....	91. 31
1	F. R. Beahan .....	do .....	89. 60
1	E. A. Beahan .....	do .....	30. 00
1	J. E. Lanonette .....	do .....	106. 00
1	T. B. Jennings .....	do .....	114. 20
1	R. J. Hyatt .....	do .....	122. 20
1	John Fitzgerald .....	do .....	97. 80
1	Geo. D. Boutcher .....	do .....	97. 80
1	F. L. Johnson .....	do .....	97. 80
1	A. Ashenberger .....	do .....	81. 60
1	C. H. Stuller .....	do .....	106. 00
1	R. O. Williams .....	do .....	58. 80

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Dec. 1	E. M. Ravenscroft	Salary	\$81.60
1	L. M. Tarr	do	97.80
1	Geo. T. Todd	do	81.60
1	R. S. Smith	do	39.20
1	J. J. O'Donnell	do	68.40
1	J. R. Williams	do	114.20
1	J. H. Smith	do	89.60
1	H. E. Wilkinson	do	106.00
1	J. C. Percy	do	89.60
1	M. Wright	do	81.60
1	Wm. Norrington	do	89.60
1	Jno. J. McLean	do	106.00
1	B. S. Pagne	do	122.20
1	F. Newman	do	100.00
1	Geo. W. Scott	do	81.60
1	J. J. Gilligan et al	Salaries	271.40
1	Geo. M. Chappel	Salary	367.20
1	D. C. Murphy	do	195.80
1	F. J. Walz	do	171.20
1	Edw. A. Evans	do	474.18
1	B. H. Bronson	do	132.66
1	Peter Wood	do	203.80
1	I. M. Cline	do	347.80
1	Geo. W. Felger	do	148.40
1	W. E. Butler	do	207.00
1	Frank Ridgway et al	Salaries	186.60
1	S. W. Glenn et al	do	201.00
1	C. F. R. Wappenhaus et al	do	387.40
1	D. Fisher et al	do	1561.00
1	W. H. Fallon et al	do	195.60
1	C. P. Cronk et al	do	362.60
1	Wm. Davis et al	do	174.40
1	J. W. Smith et al	do	516.20
1	D. Cuthbertson et al	do	300.20
1	W. T. Blythe et al	do	183.35
1	H. C. Painter et al	do	144.20
1	L. N. Jesunofsky et al	do	201.44
1	L. M. Pindell et al	do	158.00
1	H. C. Frankenfield et al	do	555.00
1	S. S. Bassler et al	do	390.00
1	W. B. Stockman et al	do	352.20
1	Chas. M. Strong et al	do	458.40
1	E. R. Demain et al	do	264.00
1	A. J. Mitchell et al	do	187.40
1	H. B. Boyer et al	do	1201.00
1	J. D. Blagden et al	do	92.80
1	I. G. Gardiner et al	do	112.80
1	W. U. Simons et al	do	187.60
1	G. G. Harkness et al	do	147.97
1	J. N. Ryker et al	do	200.40
1	H. R. Patrick et al	do	101.60
1	Park Morrill et al	do	391.80
1	J. B. Marbury et al	do	331.00
1	H. P. Hardin et al	do	115.80
1	J. M. Sherier et al	do	238.00
1	G. J. O'Connor et al	do	140.40
1	W. M. Wilson et al	do	254.40
1	W. L. Moore et al	do	450.60
1	E. A. Beals et al	do	255.80
1	S. L. Doshier et al	do	196.20
1	James A. Barry et al	do	158.00
1	Max Wagner et al	do	186.20
1	H. J. Cox et al	do	179.40
1	R. E. Kerkam et al	do	471.60
1	E. B. Dunn et al	do	579.40
1	A. B. Crane et al	do	138.60
1	J. T. Widmeyer et al	do	130.60
1	J. G. Linsley et al	do	195.80
1	H. F. Alciatore et al	do	101.13
1	Geo. E. Hunt et al	do	385.00
1	W. W. Dent et al	do	156.60
1	Chas. A. Smith et al	do	171.20
1	L. M. Dey et al	do	413.00
1	U. G. Myers et al	do	304.00
1	R. Q. Grant et al	do	176.00
1	E. P. Jones et al	do	186.20
1	S. M. Blandford et al	do	250.20
1	C. F. Von Herrmann et al	do	202.60
1	Arthur L. White et al	do	148.40
1	W. H. Hammon et al	do	482.80
1	P. F. Lyons et al	do	270.60



## EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

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*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Dec. 1	G. N. Salisbury et al	Salaries	\$187.40
1	B. F. Hough et al	do	166.20
1	P. F. Smyth et al	do	178.00
1	H. B. Hersey et al	do	156.60
1	H. McP. Baldwin et al	do	119.60
1	G. E. Lawton et al	do	400.20
1	C. L. Bozzell et al	do	109.60
1	Louis Dorman et al	do	109.60
1	John Craig et al	do	231.80
1	T. J. Considine et al	do	114.00
1	E. A. Hanner et al	do	183.00
1	W. Burrows et al	do	128.60
1	W. W. Neifert et al	do	101.60
1	F. L. Graham et al	do	257.80
1	J. P. Slaughter et al	do	150.00
1	John H. Clery et al	do	321.20
1	George E. Franklin et al	do	126.00
1	A. F. Sims et al	do	215.80
1	Chas. Stewart	Salary	106.00
1	R. O. Lazenby	do	81.60
1	R. J. Bain	do	68.40
1	G. T. W. Wells	do	39.20
1	P. T. Jenkins	do	97.80
1	J. W. Baur	do	106.00
1	E. W. McGann et al	Salaries	143.60
4	Wm. Line	Salary	97.80
4	J. H. Harmon	do	78.26
4	E. C. Easton et al	Salaries	256.60
4	M. J. Wright, jr., et al	do	47.50
14	C. E. Hartman	Salary	16.67
14	C. A. Pague	do	10.00
14	do	do	24.00
14	M. J. Wright, jr.	do	45.00
19	G. W. Pendleton	do	10.00
19	S. L. Doshier	do	32.88
30	T. A. Colne	do	13.59
	Total second quarter		85,648.42
1894.			
Jan. 2	P. Connor	Salary	126.40
2	O. D. Stewart	do	126.40
2	Allen Buell	do	101.10
2	Wayland Bailey	do	101.10
2	E. H. Emery	do	101.10
2	Jno. Grover	do	92.70
2	C. H. Stuller	do	109.50
2	B. H. Bronson	do	117.90
2	Ford A. Carpenter	do	84.20
2	R. O. Williams	do	60.60
2	Jas. P. Sherry	do	101.10
2	E. M. Ravenscroft	do	84.20
2	E. H. Nimmo	do	84.20
2	J. W. Bauer	do	109.50
2	L. M. Tarr	do	101.10
2	B. L. Waldron	do	70.80
2	Geo. Reeder	do	84.20
2	Asa Doshier	do	60.60
2	Geo. T. Todd	do	84.20
2	S. C. Emery	do	109.50
2	N. D. Lane	do	109.50
2	R. S. Dimmick	do	60.00
2	R. S. Smith	do	40.40
2	Maurice Connell	do	109.50
2	J. R. Williams	do	117.90
2	J. J. O'Donnell	do	70.80
2	F. W. Conrad	do	92.70
2	C. W. Ling	do	92.70
2	J. H. Smith	do	92.70
2	R. M. Hardinge	do	101.10
2	H. H. Curley	do	92.70
2	P. T. Jenkins	do	101.10
2	Fred Z. Gosenisch	do	109.50
2	R. M. Crawford	do	92.70
2	Geo. Hass Hagen	do	92.70
2	H. B. Dick	do	84.20
2	H. R. Boynton	do	92.70
2	J. W. Byram	do	92.70
2	Wm. Line	do	101.10
2	J. C. Piercy	do	92.70

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Jan. 2	R. O. Lazenby .....	Salary .....	\$84.20
2	G. T. W. Wells .....	do .....	40.40
2	Chas. Adie .....	do .....	70.80
2	M. E. Conway .....	do .....	70.80
2	G. H. Willson .....	do .....	109.50
2	L. A. Welsh .....	do .....	101.10
2	M. Wright .....	do .....	84.20
2	L. A. Muhlner .....	do .....	70.80
2	W. M. Edmondson .....	do .....	109.50
2	Wm. Bell .....	do .....	92.70
2	Otto B. Hart .....	do .....	60.00
2	F. H. Brandenburg .....	do .....	109.50
2	Thos. Gibson .....	do .....	109.50
2	Jos. P. Fallihee .....	do .....	60.60
2	Wm. Norrington .....	do .....	92.70
2	L. F. Passallaigue .....	do .....	92.70
2	Jno. J. McLean .....	do .....	109.50
2	Jas. A. Barwick .....	do .....	109.50
2	M. L. Hearne .....	do .....	117.90
2	H. W. Grasse .....	do .....	50.50
2	U. G. Pursell .....	do .....	101.10
2	Chas. Stewart .....	do .....	109.50
2	T. S. Collins .....	do .....	101.10
2	F. R. Beahan .....	do .....	92.70
2	E. A. Beahan .....	do .....	30.00
2	J. E. Landnette .....	do .....	109.50
2	T. B. Jennings .....	do .....	117.90
2	Geo. E. Curtis .....	do .....	50.87
2	John Fitzgerald .....	do .....	101.10
2	F. Newman .....	do .....	100.81
2	E. C. Hobbs .....	do .....	101.10
2	Geo. D. Boucher .....	do .....	101.10
2	F. L. Johnson .....	do .....	101.10
2	Geo. W. Scott .....	do .....	84.20
2	A. Ashenberger .....	do .....	84.20
2	Geo. E. Hunt et al .....	Salaries .....	397.50
2	A. F. Sims et al .....	do .....	222.10
2	Park Morrill et al .....	do .....	404.10
2	H. McP. Baldwin et al .....	do .....	92.70
2	D. Fisher et al .....	do .....	163.50
2	C. P. Cronk et al .....	do .....	373.70
2	W. H. Fallon et al .....	do .....	195.40
2	Wm. Davis et al .....	do .....	180.30
2	J. W. Smith et al .....	do .....	658.30
2	D. Cuthbertson et al .....	do .....	306.90
2	W. T. Blythe et al .....	do .....	197.20
2	L. N. Jesunofsky et al .....	do .....	210.60
2	H. C. Painter et al .....	do .....	147.90
2	W. B. Stockman et al .....	do .....	365.90
2	H. C. Frankenfield et al .....	do .....	542.65
2	S. S. Bassler et al .....	do .....	402.50
2	Chas. M. Strong et al .....	do .....	473.30
2	W. A. Shaw .....	Salary .....	84.20
2	F. J. Walz .....	Salaries .....	184.47
2	J. J. Gilligan .....	do .....	279.30
2	Geo. M. Chappel .....	do .....	294.70
2	Edw. A. Evans .....	do .....	501.70
2	James Kenealy .....	do .....	141.40
2	D. C. Murphy .....	do .....	202.10
2	Peter Wood .....	do .....	210.60
2	Geo. W. Felger .....	do .....	153.30
2	I. M. Cline .....	do .....	287.80
2	H. P. Hardin .....	do .....	119.60
2	Frank Ridgway .....	do .....	191.70
2	W. E. Butler .....	do .....	214.00
2	J. M. Sherier .....	do .....	185.40
2	S. W. Glenn .....	do .....	207.00
2	C. F. R. Wappenhaus .....	do .....	399.35
2	E. R. Demain .....	do .....	273.00
2	A. J. Mitchell .....	do .....	193.80
2	Jno. H. Clery .....	do .....	331.90
2	H. D. Boyer .....	do .....	120.81
2	J. D. Blagden .....	do .....	96.10
2	I. G. Gardiner .....	do .....	116.10
2	W. U. Simons .....	do .....	193.70
2	F. H. Clarke et al .....	do .....	283.00
2	Geo. E. Franklin et al .....	do .....	129.50
2	Frank Burke et al .....	do .....	363.90
2	J. N. Ryker et al .....	do .....	171.90
2	H. R. Patrick et al .....	do .....	84.20

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Jan. 2	W. M. Wilson et al.	Salaries	\$262.80
2	W. L. Moore et al.	do	464.70
2	E. A. Beals et al.	do	264.60
2	Jas. A. Barny et al.	do	163.50
2	F. P. Chaffee et al.	do	235.60
2	J. B. Marbury et al.	do	281.40
2	Max Wagner et al.	do	191.90
2	E. W. McGann et al.	do	148.20
2	H. J. Cox et al.	do	185.30
2	R. E. Kerkam et al.	do	486.70
2	E. B. Dunn et al.	do	698.90
2	A. B. Crane et al.	do	214.00
2	J. O. Widmeyer et al.	do	134.70
2	J. G. Linsley et al.	do	202.10
2	W. W. Dent et al.	do	153.87
2	M. J. Wright, jr., et al.	do	70.60
2	L. M. Dey et al.	do	459.70
2	U. G. Myers et al.	do	313.00
2	R. Q. Grant et al.	do	182.00
2	E. P. Jones et al.	do	191.90
2	S. M. Blandford et al.	do	227.40
2	C. F. von Herrmann et al.	do	208.70
2	Arthur L. White et al.	do	153.30
2	G. M. Salisbury et al.	do	193.80
2	H. B. Hersey et al.	do	161.70
2	B. S. Pague et al.	do	648.30
2	P. H. Smyth et al.	do	183.50
2	W. H. Hammon et al.	do	498.60
2	P. F. Lyons et al.	do	279.70
2	B. F. Hough et al.	do	171.90
2	H. F. Alciatore et al.	do	175.83
2	Chas. A. Smith et al.	do	176.90
2	John Craig et al.	do	239.10
2	Louis Dorman et al.	do	112.70
2	T. J. Considine et al.	do	118.00
2	Wm. Burrows et al.	do	115.24
2	W. W. Neifert et al.	do	104.20
2	R. J. Hyatt et al.	do	390.60
2	F. L. Graham et al.	do	266.10
2	J. P. Slaughter et al.	do	155.00
2	C. L. Bozzell et al.	do	112.70
2	E. C. Hanner et al.	do	188.50
2	D. T. Cant et al.	do	30.00
2	J. F. Lynch	Salary	20.00
2	L. M. Pindell et al.	Salaries	163.50
4	T. H. Owings	Salary	7.83
4	R. C. Williams	do	12.54
8	Orin Parker	do	17.93
8	do	do	16.00
13	J. W. Johnson	do	27.17
16	W. H. Hammon	do	62.50
16	C. A. Pague	do	30.00
16	M. F. Godfrey	do	45.83
16	W. L. Moore	do	62.50
18	Louis Dorman	do	5.06
19	J. W. Schaeffer	do	84.20
Feb. 1	Wayland Bailey	do	103.30
1	E. H. Emery	do	103.30
1	H. McP. Baldwin	do	94.70
1	John Grover	do	94.70
1	C. H. Stuller	do	111.90
1	R. O. Williams	do	62.00
1	F. A. Carpenter	do	86.10
1	E. M. Ravenscroft	do	86.10
1	L. M. Tarr	do	103.30
1	E. H. Nimmo	do	86.10
1	J. W. Bauer	do	111.90
1	Geo. Reeder	do	86.10
1	Geo. T. Todd	do	86.10
1	S. C. Emery	do	111.90
1	R. S. Dimmick	do	60.00
1	Maurice Connell	do	111.90
1	N. D. Lane	do	111.90
1	F. W. Conrad	do	94.70
1	R. S. Smith	do	41.30
1	C. W. Ling	do	94.70
1	R. M. Hardinge	do	103.30
1	J. H. Smith	do	94.70
1	H. H. Curley	do	94.70
1	P. T. Jenkins	do	103.30



## 168 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Feb. 1	F. Z. Gosenisch	Salary	\$111.90
1	R. M. Crawford	do	94.70
1	H. R. Patrick	do	86.10
1	Geo. Haas Hagen	do	94.70
1	H. R. Boynton	do	94.70
1	J. W. Bryant	do	94.70
1	M. F. Godfrey	do	48.87
1	W. L. Moore	do	66.67
1	Chas. Adie	do	72.30
1	G. T. W. Wells	do	41.30
1	R. O. Lazenby	do	86.10
1	J. C. Piercy	do	94.70
1	Wm. Line	do	103.30
1	M. E. Conway	do	72.30
1	J. H. Willson	do	111.90
1	Otto B. Hart	do	60.00
1	W. M. Edmondson	do	111.90
1	L. Muhler	do	72.30
1	Jos. P. Fallihee	do	62.00
1	M. Wright	do	86.10
1	W. W. Dent	do	103.30
1	J. R. Williams	do	120.60
1	Wm. Bell	do	94.70
1	F. H. Brandenburg	do	111.90
1	Wm. Norrington	do	94.70
1	Jno. J. McLean	do	111.90
1	Chas. Stewart	do	111.90
1	Jas. A. Barwick	do	111.90
1	M. L. Hearne	do	120.60
1	H. W. Grasse	do	51.70
1	F. W. Krichett	do	72.30
1	W. H. Hammon	do	66.67
1	T. Q. Collins	do	103.30
1	L. F. Passailaigne	do	94.70
1	T. B. Jennings	do	120.60
1	F. R. Beahan	do	94.70
1	E. A. Beahan	do	30.00
1	J. E. Lanonette	do	111.90
1	John Fitzgerald	do	103.30
1	F. L. Johnson	do	103.30
1	F. Newman	do	103.30
1	Geo. D. Boutcher	do	103.30
1	E. C. Hobbs	do	103.30
1	Geo. W. Scott	do	86.10
1	A. Ashenberger	do	86.10
1	Allen Buell	do	103.30
1	Asa Doshier	do	62.00
1	James P. Sherry	do	103.30
1	W. A. Shaw	do	86.10
1	Thos. Gibson	do	111.90
1	D. Fisher et al.	Salaries	167.00
1	Park Morrill et al	do	412.30
1	A. F. Sims et al	do	226.70
1	Wm. Davis et al	do	184.20
1	B. H. Bronson et al	do	215.30
1	J. W. Smith et al	do	672.50
1	D. Cuthbertson et al	do	316.20
1	C. P. Cronk et al	do	381.30
1	W. B. Stockman et al	do	372.00
1	W. T. Blythe et al	do	201.50
1	Chas. M. Strong et al	do	483.40
1	L. M. Pindell et al	do	167.00
1	H. C. Frankenfield et al	do	593.10
1	S. S. Bassler et al	do	497.20
1	L. N. Jesunofsky et al	do	215.30
1	James Kenealy et al	do	247.50
1	F. J. Walz et al	do	189.40
1	Edw. A. Evans et al	do	512.20
1	Geo. M. Chappel et al	do	300.90
1	J. J. Gilligan et al	do	285.00
1	D. C. Murphy et al	do	206.70
1	Peter Wood et al	do	215.30
1	J. L. Cline et al	do	365.80
1	Geo. W. Felger et al	do	156.70
1	Frank Ridgway et al	do	195.30
1	W. E. Butler et al	do	218.70
1	S. M. Glenn et al	do	211.20
1	C. F. R. Wappenhaus et al	do	408.10
1	A. J. Mitchell et al	do	198.00
1	E. R. Demain et al	do	278.90

Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Feb. 1	J. D. Blagden et al	Salaries	\$98.10
1	H. B. Boyer et al	do	123.30
1	T. G. Gardiner et al	do	118.30
1	Frank Burke et al	do	372.00
1	Geo. E. Franklin et al	do	131.90
1	W. U. Simonds et al	do	191.51
1	F. H. Clarke et al	do	288.80
1	W. M. Wilson et al	do	282.40
1	C. E. Linney et al	do	345.10
1	C. A. Beals et al	do	270.30
1	F. P. Chaffee et al	do	240.30
1	Jas. A. Barry et al	do	167.00
1	Max Wagner et al	do	195.60
1	J. B. Marbury et al	do	349.60
1	E. W. McGann et al	do	151.60
1	R. E. Kerkam et al	do	483.40
1	H. J. Cox et al	do	189.60
1	E. B. Dunn et al	do	713.60
1	A. B. Crane et al	do	146.40
1	O. D. Stewart et al	do	315.10
1	Geo. E. Hunt et al	do	436.90
1	Jas. I. Widmeyer et al	do	137.80
1	J. G. Linsley et al	do	206.70
1	U. G. Myers et al	do	319.10
1	S. M. Blandford et al	do	232.50
1	E. P. Jones et al	do	195.80
1	M. J. Wright, jr. et al	do	72.00
1	L. M. Dey et al	do	469.20
1	Arthur L. White et al	do	156.70
1	C. F. von Herrmann et al	do	212.90
1	John Craig et al	do	244.60
1	R. J. Bain et al	do	92.30
1	Chas. A. Smith et al	do	180.80
1	U. G. Pursell et al	do	175.60
1	H. E. Wilkinson et al	do	193.90
1	P. F. Smith et al	do	187.00
1	C. L. Bozzell et al	do	114.70
1	H. B. Hersey et al	do	165.30
1	B. S. Pague et al	do	550.10
1	G. N. Salisbury et al	do	198.00
1	P. F. Lyons et al	do	285.90
1	D. J. Herndon et al	do	393.50
1	B. F. Hough et al	do	175.60
1	E. A. Hanner et al	do	192.00
1	Wm. Burrows et al	do	172.20
1	T. J. Considine et al	do	120.50
1	W. W. Neifert et al	do	106.10
1	R. J. Hyatt et al	do	398.70
1	F. L. Graham et al	do	271.60
1	J. P. Slaughter et al	do	158.40
1	J. M. Shevier et al	do	189.40
1	J. N. Ryker et al	do	237.60
3	H. P. Hardin et al	do	122.25
3	H. W. Clough	Salary	17.61
3	H. F. Alciatore	do	103.30
3	P. Connor et al	Salaries	373.70
5	H. C. Painter et al	do	150.60
7	J. W. Schaeffer	Salary	33.33
7	J. J. O'Donnell	do	72.30
7	Chas. H. Busby	do	26.00
9	H. W. Arnold	do	6.00
12	C. A. Pague	do	30.00
21	Jas. F. Lynch	do	7.14
21	C. A. Pague	do	11.79
24	L. E. Stronach	do	30.00
28	W. H. St. John	do	13.39
28	F. W. Smith	do	61.00
28	G. H. Willson	do	101.20
28	W. A. Shaw	do	77.80
28	Chas. H. Busby	do	34.00
Mar. 1	Wayland Bailey	do	93.40
1	Allen Buell	do	93.40
1	H. McP. Baldwin	do	85.60
1	Jno. Grover	do	85.60
1	E. H. Emery	do	93.40
1	C. H. Stuller	do	101.20
1	Asa Doshier	do	56.00
1	E. M. Ravenscroft	do	77.80
1	J. W. Bauer	do	101.20
1	Jas. P. Sherry	do	98.06

## 170 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Mar. 1	E. H. Nimmo.....	Salary	\$77.80
1	Geo. Reeder.....	do	77.80
1	L. M. Tarr.....	do	93.40
1	F. A. Carpenter.....	do	77.80
1	Geo. T. Todd.....	do	77.80
1	S. C. Emery.....	do	101.20
1	Maurice Connell.....	do	101.20
1	R. S. Dimmick.....	do	60.00
1	N. D. Lane.....	do	101.20
1	R. O. Williams.....	do	56.00
1	J. J. O'Donnell.....	do	65.40
1	J. R. Williams.....	do	108.80
1	F. W. Conrad.....	do	85.60
1	C. W. Ling.....	do	85.60
1	R. M. Harding.....	do	93.40
1	H. H. Curley.....	do	85.60
1	F. Z. Gosewish.....	do	101.20
1	P. T. Jenkins.....	do	93.40
1	F. W. Krichelt.....	do	65.40
1	R. M. Crawford.....	do	85.60
1	J. W. Byram.....	do	85.60
1	Geo. Hass Hagen.....	do	85.60
1	H. R. Boynton.....	do	85.60
1	H. R. Patrick.....	do	77.80
1	Chas. Adie.....	do	65.40
1	G. T. W. Wells.....	do	37.40
1	Wm. Line.....	do	93.40
1	R. O. Lazenby.....	do	77.80
1	M. E. Conway.....	do	65.40
1	Otto B. Hart.....	do	60.00
1	J. C. Piercy.....	do	85.60
1	Jos. P. Fallihee.....	do	56.00
1	W. W. Dent.....	do	93.40
1	L. A. Muhlner.....	do	65.40
1	F. H. Brandenburg.....	do	101.20
1	D. P. McCallum.....	do	77.80
1	M. Wright.....	do	77.80
1	W. M. Edmondson.....	do	101.20
1	Wm. Bell.....	do	85.60
1	John J. McLean.....	do	101.20
1	Thos. Gibson.....	do	101.20
1	Wm. Norrington.....	do	85.60
1	T. S. Collins.....	do	93.40
1	H. W. Grasse.....	do	46.60
1	H. E. Wilkinson.....	do	101.20
1	M. L. Hearne.....	do	108.80
1	Jas. A. Barwick.....	do	101.20
1	F. R. Beahan.....	do	85.60
1	E. A. Beahan.....	do	30.00
1	T. B. Jennings.....	do	108.80
1	J. E. Lanonette.....	do	101.20
1	John Fitzgerald.....	do	93.40
1	E. C. Hobbs.....	do	93.40
1	F. L. Johnson.....	do	93.40
1	F. Newman.....	do	93.40
1	Geo. D. Boutcher.....	do	93.40
1	Geo. W. Scott.....	do	77.80
1	A. Ashenberger.....	do	77.80
1	A. F. Sims et al.....	Salaries	206.60
1	D. Fisher et al.....	do	151.00
1	Park Morrill et al.....	do	375.40
1	C. P. Cronk et al.....	do	347.40
1	B. H. Bronson et al.....	do	194.40
1	Wm. Davis et al.....	do	166.60
1	J. W. Smith et al.....	do	610.00
1	I. M. Cline et al.....	do	333.40
1	D. Cuthbertson et al.....	do	287.60
1	W. T. Blythe et al.....	do	182.00
1	L. N. Jesunofsky et al.....	do	194.40
1	L. M. Pindell et al.....	do	151.00
1	H. C. Painter et al.....	do	138.80
1	H. C. Frankenfield et al.....	do	538.80
1	S. S. Bassler et al.....	do	450.60
1	W. B. Stockman et al.....	do	280.00
1	Chas. M. Strong et al.....	do	438.20
1	F. J. Walz et al.....	do	171.20
1	J. J. Gilligan et al.....	do	260.00
1	Edw. A. Evans et al.....	do	465.60
1	Geo. M. Chappel et al.....	do	273.20
1	James Kenealy et al.....	do	225.00



*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Mar. 1	D. C. Murphy et al	Salaries	\$186.60
1	Peter Wood et al	do	194.40
1	J. D. Blagden et al	do	88.80
1	I. G. Gardner et al	do	108.40
1	W. U. Simons et al	do	157.20
1	F. H. Clarke et al	do	262.40
1	Geo. E. Franklin et al	do	121.20
1	Frank Burke et al	do	336.00
1	J. N. Ryker et al	do	158.80
1	W. M. Wilson et al	do	255.20
1	E. A. Beals et al	do	244.40
1	W. L. Moore et al	do	517.00
1	Jas. A. Barry et al	do	151.00
1	F. P. Chaffee et al	do	219.40
1	Max Wagner et al	do	178.80
1	J. B. Marbury et al	do	315.80
1	E. W. McGann et al	do	136.80
1	H. J. Cox et al	do	171.40
1	R. E. Kerkam et al	do	438.20
1	E. B. Dunn et al	do	647.80
1	A. B. Crane et al	do	132.20
1	M. J. Wright, jr., et al	do	66.00
1	L. M. Dey et al	do	426.60
1	W. G. Meyers et al	do	291.80
1	O. D. Stewart et al	do	284.80
1	Geo. E. Hunt et al	do	396.20
1	Jas. I. Widmeyer et al	do	124.40
1	J. G. Linsley et al	do	186.60
1	E. P. Jones et al	do	178.40
1	Geo. W. Felger et al	do	141.60
1	H. R. Hardin et al	do	110.50
1	W. E. Butler et al	do	197.00
1	Frank Ridgway	do	179.40
1	J. M. Shevier et al	do	171.20
1	S. W. Glenn et al	do	192.60
1	C. F. R. Wappenhaus et al	do	368.80
1	E. R. Demain et al	do	252.20
1	A. J. Mitchell et al	do	179.00
1	P. Connor et al	do	337.60
1	H. B. Boyer et al	do	113.40
1	S. M. Blandford et al	do	210.00
1	C. F. von Herrmann et al	do	194.20
1	Arthur L. White et al	do	141.60
1	W. H. Hammon et al	do	396.80
1	P. F. Lyons et al	do	258.20
1	Geo. N. Salisbury et al	do	179.00
1	B. F. Hough et al	do	158.80
1	B. S. Payne et al	do	499.80
1	H. B. Hersey et al	do	149.40
1	P. F. Smyth et al	do	171.00
1	C. L. Bozzell et al	do	105.60
1	Chas. A. Smith et al	do	163.40
1	U. G. Purssell et al	do	158.80
1	John Craig et al	do	220.80
1	R. J. Bain et al	do	85.40
1	T. J. Considine et al	do	100.00
1	E. A. Hanner et al	do	151.00
1	Wm. Burrows et al	do	155.60
1	E. J. Hyatt et al	do	362.60
1	W. W. Neifert et al	do	97.80
1	F. L. Graham et al	do	247.00
1	J. P. Slaughter et al	do	145.20
2	L. F. Passailaigue	Salary	85.60
2	Chas. Stewart	do	101.20
2	H. F. Alciatore et al	Salaries	169.40
6	J. W. Schaeffer	Salary	13.89
10	Jas. F. Lynch	do	9.68
10	F. C. Arbour	do	10.00
10	C. E. Hartman	do	15.00
10	J. H. Smith	do	85.60
15	R. S. Smith	do	37.40
16	J. J. Gilligan	do	7.22
24	Chas. Huber	do	80.80
31	R. M. Crawford	do	94.70
	Total third quarter		84,969.84
Apr. 1	J. E. Lanonette	Salary	111.90
1	T. B. Jennings	do	120.60
1	John Fitzgerald	do	103.30

## 172 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Apr. 1	Geo. D. Boutcher	Salary	\$103.30
1	F. L. Johnson	do	103.30
1	F. Newman	do	103.30
1	E. C. Hobbs	do	103.30
1	A. Ashenberger	do	86.10
1	R. S. Smith	do	41.30
1	J. W. Byram	do	94.70
1	Jno. Grover	do	94.70
1	E. H. Emery	do	103.30
1	H. McP. Baldwin	do	94.70
1	Wayland Bailey	do	103.30
1	Allen Buell	do	103.30
1	C. H. Stuller	do	111.90
1	F. A. Carpenter	do	86.10
1	L. M. Tarr	do	103.30
1	James P. Sherry	do	111.90
1	Asa Doshier	do	62.00
1	E. M. Ravenscroft	do	86.10
1	Geo. Reeder	do	86.10
1	A. E. Hackett	do	86.10
1	J. W. Bauer	do	111.90
1	S. C. Emery	do	111.90
1	Maurice Connell	do	111.90
1	N. D. Lane	do	111.90
1	R. S. Dimmick	do	60.00
1	J. J. O'Donnell	do	72.30
1	J. R. Williams	do	120.60
1	R. O. Williams	do	62.00
1	F. W. Conrad	do	94.70
1	C. W. Ling	do	94.70
1	R. M. Hardinge	do	103.30
1	J. H. Smith	do	94.70
1	H. H. Curley	do	94.70
1	Fred Z. Gosewisch	do	111.90
1	Geo. W. Scott	do	86.10
1	H. R. Patrick	do	86.10
1	Geo. Hass Hagen	do	94.70
1	M. E. Conway	do	72.30
1	J. C. Piercy	do	94.70
1	R. O. Lazenby	do	86.10
1	Wm. Line	do	103.30
1	Chas. Adie	do	72.30
1	G. T. W. Wells	do	41.30
1	James J. Gray	do	86.10
1	G. H. Willson	do	111.90
1	Jos. P. Fallihee	do	62.00
1	Otto B. Hart	do	60.00
1	M. Wright	do	86.10
1	W. A. Shaw	do	86.10
1	L. A. Muhlner	do	72.30
1	H. W. Richardson	do	94.70
1	W. M. Edmondson	do	111.90
1	Wm. Bell	do	94.70
1	F. H. Brandenburg	do	111.90
1	Thos. Gibson	do	111.90
1	John J. McLean	do	111.90
1	Wm. Norrington	do	94.70
1	James A. Barwick	do	111.90
1	M. L. Hearne	do	120.60
1	H. W. Grasse	do	51.70
1	T. S. Collins	do	103.30
1	L. F. Passailaigue	do	94.70
1	D. P. McCallum	do	86.10
1	E. A. Beahan	do	30.00
1	F. R. Beahan	do	94.70
1	J. W. Smith et al.	Salaries	672.50
1	B. H. Bronson et al.	do	215.30
1	C. P. Cronk et al.	do	381.30
1	D. Fisher et al.	do	167.00
1	Park Morrill et al.	do	484.60
1	A. F. Sims et al.	do	226.70
1	D. C. Murphy et al.	do	206.70
1	James Kenealy et al.	do	247.50
1	Edw. A. Evans et al.	do	503.60
1	Geo. M. Chappel et al.	do	387.00
1	R. H. Sullivan et al.	do	173.10
1	F. J. Walz et al.	do	189.40
1	Chas. M. Strong et al.	do	483.40
1	H. C. Frankenfield et al.	do	498.40
1	S. S. Bassler et al.	do	497.20

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Apr. 1	W. B. Stockman et al. ....	Salaries .....	\$404.70
1	L. N. Jesunofsky et al. ....	do .....	215.30
1	L. M. Pindell et al. ....	do .....	167.00
1	Wm. Davis et al. ....	do .....	184.20
1	D. Cuthbertson et al. ....	do .....	316.20
1	H. C. Painter et al. ....	do .....	150.60
1	W. T. Blythe et al. ....	do .....	201.50
1	A. J. Mitchell et al. ....	do .....	198.00
1	P. Connor et al. ....	do .....	373.70
1	H. B. Boyer et al. ....	do .....	123.30
1	J. D. Blagden et al. ....	do .....	98.10
1	I. G. Gardiner et al. ....	do .....	118.30
1	W. U. Simons et al. ....	do .....	173.90
1	Geo. E. Franklin .....	do .....	131.90
1	F. H. Clarke .....	do .....	288.80
1	Frank Burke .....	do .....	372.00
1	J. N. Ryker .....	do .....	175.60
1	E. A. Beals .....	do .....	270.30
1	James A. Barry .....	do .....	167.00
1	W. M. Wilson et al. ....	do .....	282.40
1	W. L. Moore et al. ....	do .....	474.30
1	F. P. Chaffee et al. ....	do .....	240.30
1	J. B. Marbury et al. ....	do .....	347.90
1	Max Wagner et al. ....	do .....	195.60
1	H. J. Cox et al. ....	do .....	189.60
1	E. W. McGannet al. ....	do .....	151.60
1	A. B. Crane et al. ....	do .....	146.40
1	E. B. Dunn et al. ....	do .....	713.60
1	R. E. Kerkam et al. ....	do .....	483.40
1	J. I. Widmeyer et al. ....	do .....	137.80
1	Geo. E. Hunt et al. ....	do .....	436.90
1	J. G. Linsley et al. ....	do .....	206.70
1	M. J. Wright, jr., et al. ....	do .....	72.00
1	L. M. Dey et al. ....	do .....	460.20
1	O. D. Stewart et al. ....	do .....	315.10
1	B. F. Hough et al. ....	do .....	175.60
1	Chas. A. Smith et al. ....	do .....	180.80
1	John Craig et al. ....	do .....	244.60
1	U. G. Purssell et al. ....	do .....	175.60
1	P. F. Lyons et al. ....	do .....	285.90
1	H. F. Alciatore et al. ....	do .....	185.30
1	W. H. Hammon et al. ....	do .....	508.90
1	R. J. Bain et al. ....	do .....	92.30
1	T. J. Considine et al. ....	do .....	120.50
1	E. A. Hanner et al. ....	do .....	167.00
1	Wm. Burrows et al. ....	do .....	172.20
1	Peter Wood et al. ....	do .....	215.30
1	I. M. Cline et al. ....	do .....	365.80
1	Geo. W. Felger et al. ....	do .....	156.70
1	Frank Ridgway et al. ....	do .....	195.30
1	W. E. Butler et al. ....	do .....	218.70
1	W. P. Hardin et al. ....	do .....	122.25
1	J. M. Sherier et al. ....	do .....	189.40
1	S. W. Glenn et al. ....	do .....	211.20
1	C. F. R. Wappenhaus et al. ....	do .....	439.10
1	E. R. Demain et al. ....	do .....	278.90
1	U. G. Myers et al. ....	do .....	219.10
1	E. P. Jones et al. ....	do .....	195.80
1	S. M. Blandford et al. ....	do .....	232.50
1	C. F. von Hermann et al. ....	do .....	212.90
1	Arthur L. White et al. ....	do .....	156.70
1	P. H. Smyth et al. ....	do .....	187.00
1	C. L. Bozzell et al. ....	do .....	114.70
1	Geo. N. Salisbury et al. ....	do .....	198.00
1	B. S. Pague et al. ....	do .....	575.90
1	H. B. Hersey et al. ....	do .....	165.30
1	W. W. Neifert et al. ....	do .....	106.10
1	R. J. Hyatt et al. ....	do .....	398.70
1	F. L. Graham et al. ....	do .....	271.50
1	J. P. Slaughter et al. ....	do .....	158.40
3	C. A. Pague .....	Salary .....	26.00
3	H. C. Biscoe .....	do .....	14.52
10	Geo. T. Todd .....	do .....	86.10
10	P. T. Jenkins .....	do .....	103.30
10	Chas. Stewart .....	do .....	111.90
12	F. L. Eaton .....	do .....	60.00
14	H. R. Boynton .....	do .....	94.70
20	P. T. Jenkins .....	do .....	49.45
21	F. E. Purse .....	do .....	10.00
30	C. A. Pague .....	do .....	8.00



## 174 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
Apr. 30	E. A. Beals et al.	Salaries	\$258.80
30	A. Pritchard	Salary	20.00
May 1	H. R. Boynton	do	90.70
1	A. F. Sims et al.	Salaries	217.80
1	H. McP. Baldwin et al.	do	105.70
1	Park Morrill et al.	do	465.10
1	D. Fisher et al.	do	159.90
1	C. P. Cronk et al.	do	366.20
1	J. W. Smith et al.	do	644.60
1	Wm. Davis et al.	do	176.30
1	D. Culbertson et al.	do	303.50
1	H. C. Painter et al.	do	145.40
1	W. T. Blythe et al.	do	192.80
1	L. N. Jesunofsky et al.	do	206.00
1	L. M. Pindell et al.	do	159.90
1	H. C. Frankenfield et al.	do	478.30
1	S. S. Bassler et al.	do	476.50
1	W. B. Stockman et al.	do	387.40
1	Chas. M. Stroud et al.	do	463.40
1	F. J. Walz et al.	do	181.30
1	Geo. A. Loveland et al.	do	265.60
1	Geo. M. Chappel et al.	do	371.00
1	Edw. A. Evans et al.	do	483.20
1	James Kenealy et al.	do	237.50
1	D. C. Murphy et al.	do	197.80
1	Peter Wood et al.	do	206.10
1	I. M. Cline et al.	do	351.30
1	Geo. W. Felger et al.	do	150.00
1	W. E. Butler et al.	do	159.90
1	Frank Ridgway et al.	do	188.20
1	H. P. Hardin et al.	do	117.00
1	J. M. Sherier et al.	do	181.40
1	S. W. Glenn et al.	do	202.90
1	C. F. R. Wappenhaus et al.	do	420.20
1	E. R. Demain et al.	do	267.00
1	O. J. Mitchell et al.	do	189.60
1	P. Connor et al.	do	357.60
1	H. B. Boyer et al.	do	118.90
1	J. D. Blagden et al.	do	93.90
1	J. G. Gardiner et al.	do	113.90
1	W. U. Simons et al.	do	166.40
1	F. H. Clarke et al.	do	277.00
1	Frank Burke et al.	do	356.00
1	Geo. E. Franklin et al.	do	127.10
1	J. N. Ryker et al.	do	188.93
1	W. M. Nilson et al.	do	270.30
1	W. L. Moore et al.	do	455.20
1	Jas. A. Barry et al.	do	159.90
1	F. P. Chaffee et al.	do	321.70
1	Max Wagner et al.	do	188.10
1	J. B. Marbury et al.	do	332.90
1	E. W. McGann et al.	do	145.10
1	H. J. Cox et al.	do	181.30
1	R. E. Kerkam et al.	do	463.30
1	E. B. Dunn et al.	do	684.30
1	J. J. Gray et al.	do	131.90
1	J. I. Widmeyer et al.	do	131.90
1	Geo. E. Hunt et al.	do	410.60
1	J. G. Linsley et al.	do	197.80
1	M. J. Wright, jr., et al.	do	69.30
1	L. M. Dey et al.	do	450.30
1	U. G. Myers et al.	do	307.00
1	O. D. Stewart et al.	do	301.60
1	E. P. Jones et al.	do	188.10
1	S. M. Blandford et al.	do	305.00
1	C. F. von Herrmann et al.	do	204.60
1	Arthur L. White et al.	do	150.00
1	Jas. A. Barwick et al.	do	137.10
1	P. F. Lyons et al.	do	273.60
1	G. N. Salisbury et al.	do	189.60
1	B. F. Hough et al.	do	168.10
1	B. S. Pague et al.	do	552.50
1	H. B. Hersey et al.	do	158.20
1	W. H. Hammon et al.	do	488.20
1	C. L. Bozzell et al.	do	110.70
1	P. F. Smyth et al.	do	179.90
1	H. F. Alciatore et al.	do	178.20
1	Chas. A. Smith et al.	do	173.10
1	U. G. Purssell et al.	do	168.10
1	John Craig et al.	do	234.00

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
May 1	R. J. Bain et al	Salaries	\$89.20
1	T. J. Considine et al	do	115.40
1	E. A. Hanner et al	do	159.90
1	R. J. Hyatt et al	do	382.60
1	W. W. Neifert et al	do	102.40
1	F. L. Graham et al	do	260.50
1	J. P. Slaughter et al	do	151.60
1	Wayland Bailey	Salary	98.90
1	Allen Buell	do	98.90
1	E. H. Emery	do	98.90
1	John Grover	do	90.70
1	C. H. Stuller	do	107.10
1	Jas. P. Sherry	do	107.10
1	F. A. Carpenter	do	82.40
1	E. M. Ravenscroft	do	82.40
1	J. W. Bauer	do	107.10
1	L. M. Tarr	do	89.90
1	A. E. Hackett	do	82.40
1	Geo. Reeder	do	82.40
1	Asa Doshier	do	59.30
1	Geo. T. Todd	do	82.40
1	S. C. Emery	do	107.10
1	R. S. Dimmick	do	60.00
1	N. D. Lane	do	107.10
1	Maurice Connell	do	107.10
1	J. R. Williams	do	115.40
1	R. O. Williams	do	59.30
1	J. J. O'Donnell	do	69.20
1	F. W. Conrad	do	90.70
1	R. S. Smith	do	39.60
1	R. L. Anderson	do	49.50
1	C. W. Ling	do	90.70
1	J. H. Smith	do	90.70
1	R. M. Hardinge	do	98.90
1	F. W. Gosewisch	do	107.10
1	Geo. W. Scott	do	82.40
1	H. R. Patrick	do	82.40
1	Geo. Hass Hagen	do	90.70
1	J. W. Byram	do	90.70
1	M. E. Conway	do	69.20
1	G. T. W. Wells	do	39.60
1	Chas. Adie	do	69.20
1	R. O. Lazenby	do	82.40
1	Wm. Line	do	98.90
1	J. C. Piercy	do	90.70
1	G. H. Willson	do	107.10
1	H. W. Richardson	do	90.70
1	M. Wright	do	82.40
1	L. A. Muhlner	do	69.20
1	Wm. Bell	do	90.70
1	Otto B. Hart	do	60.00
1	W. M. Edmondson	do	107.10
1	F. H. Brandenburg	do	107.10
1	Jos. P. Fallihee	do	59.30
1	Wm. Norington	do	90.70
1	Jno. J. McLean	do	107.10
1	Thos. Gibson	do	107.10
1	H. W. Grasse	do	49.50
1	L. F. Passailaigue	do	90.70
1	M. L. Hearne	do	115.40
1	T. S. Collins	do	98.90
1	Chas. Stewart	do	107.10
1	F. R. Beahan	do	90.70
1	E. A. Beahan	do	30.00
1	J. E. Lanonette	do	107.10
1	F. B. Jennings	do	115.40
1	John Fitzgerald	do	98.90
1	R. M. Crawford	do	90.70
1	F. Newman	do	98.90
1	F. L. Johnson	do	98.90
1	E. C. Hobbs	do	98.90
1	Geo. D. Boutcher	do	98.90
1	A. Ashenbuger	do	82.40
1	B. H. Bronson et al	Salaries	206.10
2	Wm. Burrows et al	do	152.93
5	M. S. Patrick	Salary	10.00
5	L. F. Ranke	do	7.50
5	W. A. Shaw	do	82.40
16	T. M. Phillips	do	6.00
16	B. L. Ruppert	do	4.50

## 176 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

*Expenditures Department of Agriculture, fiscal year ending June 30, 1894—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1894.			
May 31	W. L. Moore.....	Salary.....	\$32.97
June 1	A. F. Sims et al.....	Salaries.....	224.40
1	H. McP. Baldwin et al.....	do.....	123.60
1	John Grover et al.....	do.....	108.60
1	Park Morrill et al.....	do.....	479.80
1	D. Fisher et al.....	do.....	165.20
1	C. P. Cronk.....	do.....	377.60
1	B. H. Bronson et al.....	do.....	212.80
1	Wm. Davis et al.....	do.....	182.40
1	J. W. Smith et al.....	do.....	665.80
1	W. T. Blythe et al.....	do.....	199.40
1	L. N. Jesunofsky et al.....	do.....	213.00
1	H. C. Painter et al.....	do.....	149.20
1	L. M. Pindell et al.....	do.....	165.20
1	H. C. Frankenfield et al.....	do.....	493.40
1	S. S. Bassler et al.....	do.....	492.00
1	W. B. Stockman et al.....	do.....	400.20
1	A. E. Hackett et al.....	do.....	115.20
1	C. M. Strong et al.....	do.....	478.20
1	F. J. Walz et al.....	do.....	187.40
1	Geo. A. Loveland et al.....	do.....	273.80
1	Edw. A. Evans et al.....	do.....	498.60
1	Geo. M. Chappel et al.....	do.....	383.00
1	James Kenealy et al.....	do.....	245.00
1	D. C. Murphy et al.....	do.....	204.40
1	Peter Wood et al.....	do.....	212.80
1	I. M. Cline et al.....	do.....	362.40
1	Geo. W. Felger et al.....	do.....	155.00
1	W. E. Butler et al.....	do.....	216.20
1	Frank Ridgway et al.....	do.....	193.60
1	H. R. Hardin et al.....	do.....	121.00
1	J. M. Sherier et al.....	do.....	187.20
1	S. W. Glenn et al.....	do.....	209.20
1	C. F. R. Wappenhaus et al.....	do.....	434.60
1	E. R. Demain et al.....	do.....	276.00
1	A. J. Mitchell et al.....	do.....	195.80
1	P. Connor et al.....	do.....	369.80
1	H. B. Boyer et al.....	do.....	122.20
1	J. D. Blagden et al.....	do.....	83.96
1	I. G. Gardiner et al.....	do.....	117.20
1	W. U. Simons et al.....	do.....	172.20
1	F. H. Clarke et al.....	do.....	286.00
1	Geo. E. Franklin et al.....	do.....	130.80
1	Frank Burke et al.....	do.....	368.00
1	J. N. Ryker et al.....	do.....	198.80
1	H. R. Patrick et al.....	do.....	105.20
1	W. M. Wilson et al.....	do.....	279.40
1	C. E. Linney et al.....	do.....	341.80
1	E. A. Beals et al.....	do.....	267.40
1	Jas. A. Barry et al.....	do.....	165.20
1	F. P. Chaffee et al.....	do.....	331.60
1	Max Wagner et al.....	do.....	193.80
1	J. B. Marbury et al.....	do.....	344.20
1	E. W. McGann et al.....	do.....	149.80
1	H. J. Cox et al.....	do.....	187.80
1	R. E. Kerkam et al.....	do.....	406.80
1	E. B. Dunn et al.....	do.....	706.40
1	J. J. Gray et al.....	do.....	221.40
1	J. I. Widmeyer et al.....	do.....	136.20
1	Geo. E. Hunt et al.....	do.....	423.80
1	J. J. Linsley et al.....	do.....	204.40
1	H. W. Richardson et al.....	do.....	165.20
1	M. J. Wright, jr., et al.....	do.....	71.40
1	L. M. Dey et al.....	do.....	464.40
1	G. G. Myers et al.....	do.....	281.00
1	O. D. Stewart et al.....	do.....	309.18
1	E. P. Jones et al.....	do.....	193.80
1	S. M. Blandford et al.....	do.....	315.00
1	C. F. von Herrmann et al.....	do.....	210.80
1	Jas. A. Barwick et al.....	do.....	140.80
1	W. H. Hammon.....	Salary.....	127.80
1	D. J. Herndon et al.....	Salaries.....	375.80
1	P. F. Lyons et al.....	do.....	282.80
1	G. N. Salisbury et al.....	do.....	195.80
1	B. S. Payne et al.....	do.....	570.00
1	H. B. Hersey et al.....	do.....	163.60
1	C. L. Bozzell et al.....	do.....	113.60
1	P. H. Smythe et al.....	do.....	185.20
1	H. F. Alciatore et al.....	do.....	163.60
1	C. A. Smith et al.....	do.....	178.80





